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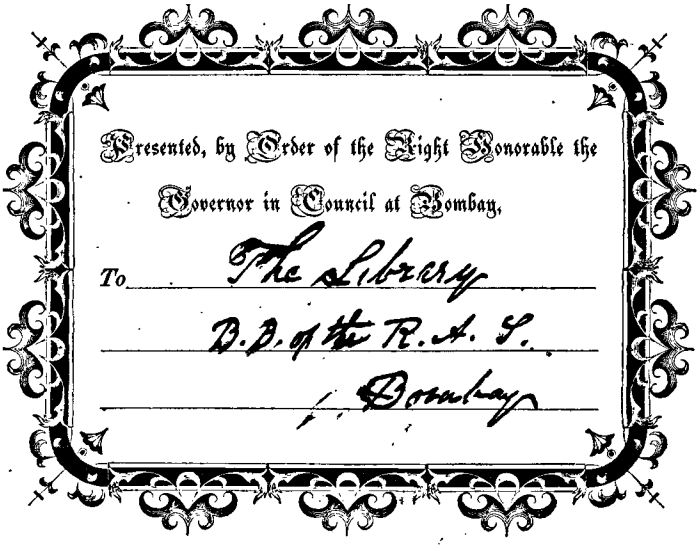

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MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORY,

BOMBAY.

1858.

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORY, BOMBAY,

IN THE YEAR 1858,

UNDER THE SUPERINTENDENCE OF

LIEUTENANT E. F. T. FERGUSSON, I. N., F.R.A.S.

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1859.

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BOMBAY MAGNETICAL OBSERVATORY.

PART I.

MAGNETICAL OBSERVATIONS.

1858.

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INTRODUCTION TO THE MAGNETICAL OBSERVATIONS

FOR 1858.

SITUATION OF THE OBSERVATORY.

THE Government Observatory at Bombay is situated nearly at the southern extreme of the Island of Colaba, and consists of several small buildings, in a large compound, entirely walled round. It is bounded on the west by the public road from the Fort of Bombay, on the east by the sea forming the entrance to the Harbour, on the south by the Lighthouse, and on the north by the compound of a private house. Its distance from the Fort is about two miles and a third.

Its Latitude is..... + 18° 53′ 30″
Its Longitude is..... − 4*h*. 51*m*. 16·32*s*.*

The latter being dependent on the longitude of Madras Observatory, supposed to be 5*h*. 20*m*. 57·28*s*., as determined by the late Mr. Taylor, Astronomer.

The "difference of longitude" between Madras and Bombay, as determined from the measurements of the G. T. S. of India, gives the longitude of the Bombay Observatory—4*h*. 51*m*. 12·3*s*., and this longitude has been adopted by Hydrographers in preference to the above, although the difference is only one minute of arc.

The grounds of the Observatory are well studded with trees, principally Bora trees (*Ziziphus lotus*), which emit a very offensive odour when in blossom; there are also a few Date, Palm, and Mango trees, three Tamarind trees, and several sorts of shrubs.

The soil is partly of greenstone, but principally of reddish earth, of a very productive nature; the latter, however, is not deep, and rests on a rocky foundation, which in many places rises above the usual level of the surface. The grounds, though tolerably even in the western half of the compound, have a gradual slope towards the sea in the eastern half, which accomplishes a quick drainage in heavy rains, and thereby prevents undue moisture.

* Found by Lunar transits, and occultations of Stars and Planets by the Moon, from several series of observations made at this Observatory from 1840 to 1853, but the Instruments are not of the highest order as in England and in Europe.

Buildings in the Observatory.—The Magnetical Department of the Observatory consists of six separate buildings; and the Astronomical Department of one large Transit-room and two Domes. In August 1858, a large Zinc Ball, complete with Electrical Apparatus for dropping the same, was received from England and ordered to be erected at the Observatory; to effect which, Government sanctioned the erection of a suitable building, over the old dome in the centre of the Superintendent's dwelling-house; but it was not finished till the end of the year, and on the 15th of January 1859 the Ball was substituted for the Flag. A description of the building and Apparatus will be given in next year's volume. Adjoining the Transit-room, and connected with it by a covered passage 14 by 9 feet, is a large office 64 feet by 29 feet; this room is used for copying Charts and Plans, and also for keeping a stock of Charts and Mathematical Instruments for the use of the Government Vessels of War, and belongs exclusively to the Hydrographical Department of the Indian Navy. In addition to these buildings, I have to add that a dwelling-house, with out-offices, is provided for the Superintendent, also one for the First Assistant in the Magnetical Department, and suitable quarters for the other Assistants and Observers attached to the Observatory Departments.

Staff of the Observatory.—During the year 1858 the staff of the Observatory was as follows:—

MAGNETICAL DEPARTMENT.

Goverdhun Luxumon C.....	First Assistant.
Naro Balcrushna	Second Assistant.
Haree Chintaman*.....	Observer.
Luxumon Moreshwar.....	Observer.
Crishnajee Appajee	Observer.
Narayen Ramchunder	Computer.

ASTRONOMICAL DEPARTMENT.

Janardan Ramchunder.†

The Astronomical Department, which is principally for the purpose of getting the correct time by observed transits of the stars, and signalling the same by drop of flag to the Shipping in the Harbour at 1*h.* P. M. (the Observations, however, are not published), is under my immediate and personal superintendence.

In the Magnetical Department the system adopted in the year 1858 was the same as that in the preceding year.

* Haree Chintaman was transferred to the Astronomical Department on 22nd July 1858. Govind Maghasham acted as Observer from 22nd July to 30th September 1858, when he resigned. Keshow Sakharam was appointed an Observer from 1st October 1858 in the Magnetical Department, to fill the place vacated by Govind Maghasham.

† Govind Ramchunder was appointed an Assistant in the Astronomical Department, vice Janardan Ramchunder, deceased, on the 22nd July 1858. Baboo Moreshwar and Ramchund Pandoorung acted as substitutes in the Magnetic and Astronomical Departments during the absence of some observers who were on sick leave.

Besides the duties of the Observatory, the Superintendent is charged with the Hydrographical Department of H. M.'s Indian Navy. The superintendence of the Observatory is an adjunct to the appointment of the Hydrographer; and the office of the latter being in the Naval Department, both are under the orders of the Commander in Chief of H. M.'s Indian Navy.

The Results for 1858 were deduced under my direction by the First Assistant, Goverdhun Luxumon C., assisted by the Second Assistant.

The Instruments actually observed in the Magnetical Department are as follows:—

Magnetical Instruments.

Declinometers (large and small).
Horizontal Force Magnetometers (large and small), with their attached Thermometers.
Vertical Force Magnetometer, with its attached Thermometer.
Dip Circle.
Apparatus for Deflections.

Meteorological Instruments.*

Barometers, Nos. 58 and 48, with their attached Thermometers.
Thermometers (six), in the Thermometer shed.
Anemometers (two), by Osler and Lynd.
Rain Gauges, Nos. 1 and 2.
Electrical Apparatus.
Tidal Apparatus (a self-registering instrument).

Göttingen Mean Time has been strictly adhered to in taking Magnetical Observations, and Bombay Civil Time has been used in observing Meteorological Instruments.

Throughout the year 1858, all the Magnetometers and Meteorological instruments were observed hourly, duly registered, and curved every day, except on Sundays, Christmas Day, and three or four other holidays.

Besides these, there were the Monthly Term Day Observations; also the Observations of Meteorological and Magnetical Disturbances, when necessity required.

DECLINATION.

The Large Declinometer was obtained from Grubb, of Dublin, and is of exactly the same construction as that described in the Report of the Committee of the Royal Society for 1840.

* The description of Meteorological Instruments will be given in the second part of this volume.

The Small Declinometer is the same as the Unifilar Magnetometer described in page 60 of Lieutenant Riddle's "Magnetical Instructions," with the exception that it has no glass bell over it.

The dimensions of the Magnets and the several co-efficients of both the Declinometers are as follows:—

	Large Declinometer.	Small Declinometer.
Length of the Magnet	1·25 feet.	2·46 inches.
Breadth do.	0·0715 „	
Thickness do.	0·0208 „	0·30 inches.
Weight do.	62,030 grains.	
Form of Magnets	Solid Bar.	Solid Cylinder.
Silk fibres of Suspension, in number	40	2
The Value of one Integer of Scale Reading	6′·841	5′·23
The Zero Point of Scale in December 1858	28·3064	29·991 (Oct. 15th, 1858.)
Value of 1 + $\frac{H}{P}$ in its last adjustment	1·003009	1·0019
Mean Time of one Vibration in its perfect adjustment	12·94 seconds.	3·44 seconds.

A change of 0·10 scale divisions of Large Declinometer is nearly equal to 0·12 scale divisions of Small Declination Magnetometer.

TABLE I.—*Showing the Declination in Arc, as obtained from the Scale Readings of Small Declination Magnetometer.*

1858.	Mean Monthly Values of Declination by S. D. M.	Excess above the Values obtained from Large Declinometer.	1858.	Mean Monthly Values of Declination by S. D. M.	Excess above the Values obtained from Large Declinometer.
January	0°18′75	− 1′24	July	0°19′96	+ 0′90
February	·18·63	− 1·21	August	·20·68	+ 1·85
March	·18·82	− 1·33	September	·20·81	+ 1·51
April	·18·54	− 1·59	October	·20·10	+ 0·25
May	·18·26	− 1·47	November	·18·51	− 1·84
June	·18·98	− 0·77	December	·18·52	− 2·13

This Table shows that the Values of Declination obtained from small Declinometer were uncertain within about 2′ of arc.

The difference in the values obtained by the Large and Small Declinometers may arise from the Smaller Magnet not being so strongly magnetic as the standard bar, and, from its lightness, more susceptible to movement and change.

Weekly observations tend to show that no material change has occurred in the moments of the Declination Magnets, as the time of vibration in one month was nearly equal to the time of vibration in the other.

OCCASIONAL ADJUSTMENTS.

April 1858.—The errors of Level and Collimation for the Declination Transit were inappreciable.

13th May 1858.—The several errors of the Declination Transit were examined and found as before.

15th October 1858.—Small Declinometer was re-adjusted; the Reading Telescope well cleaned, the Telescope and the Mirror of the Magnet well adjusted to the position of the scale; and the Torsion and Detorsion Planes brought to such a position that they gave the same scale reading. The values of the necessary co-efficients are already given above.

HORIZONTAL FORCE.

The Diurnal Changes of the Earth's Magnetic Horizontal Force have been observed hourly, with two instruments. One, the large Horizontal Force Magnetometer in the large Observatory, is of the same construction as that which is described in the Report of the Royal Society for 1840. The other is the Small Horizontal Force Magnetometer, in the small Observatory, which is of exactly the same description as the Bifilar, described in Lieutenant Riddle's Magnetical Instructions.

The dimensions and the values of the several co-efficients of Magnets are as follows:—

	Large Horizontal Force.	Small Horizontal Force.
Length of the Magnetic Bar	1·25 feet	2·99 inches.
Breadth do.	0·072 „	0·30 „
Thickness do.	0·021 „	0·08 „
Arc Value of one Division of the Scale	10′·933	5′·53
Form of the Magnet	Solid Bar.	Hollow Cylinder.
Suspension Wires	One silver wire.	Two silk fibres.
The Diameter of the Wheel round which the Suspension Wire passes	0·61465 inches.	Not measured.
The Distance of the Extremities of the Suspension Wire on the Micrometer-headed Screw	0·62985 „	„
Length of the Suspension Wire	30·33 „	„
Weight of the Magnet with all its appendages	7,050 grains.	
Torsion Circle Reading in its adjustment	....	266°35′
t'' or Time of one Vibration when in perfect adjustment	16·16 seconds.	3·44 seconds.

In Horizontal Force Magnetometer, the Magnetic Bar is forced to a position at right angles to the Magnetic Meridian by turning the arms of the Torsion Circle, and the upper extremities of the suspension wire move through a greater angle than the lower extremities, consequently the wires are no longer vertical, and the Magnet, together with its appendages, will be raised. The Forces producing equilibrium will therefore be,—the suspended weight struggling to attain the lowest point, and the Earth's Magnetic Horizontal component of Intensity acting on the free Magnetism of the Bar.

The large Horizontal Force Magnetometer has been now in operation for nearly sixteen years, and it has always indicated an increase of force from year to year. The

Intensity Calculations are made on the supposition that the increase or decrease of scale readings in both the Magnetometers goes on regularly throughout the year; but this is far from being the case, as these changes are sometimes very irregular.. During the year 1858 the change in the scale readings was as follows:—

Large Horizontal Force daily increased by 0·0006 scale divisions.
Small „ „ „ decreased by 0·0177 „

The cause of the increase or decrease of the scale readings is owing either to the change in the magnetic moment of the bar, to the change in the magnetic horizontal force of the earth, or from the loss of inherent elastic power of the wire by which the Magnet is suspended.

It is necessary to make the following allowances in order to find out the true values of the changes in the Horizontal Component of the Earth's Magnetic Force:—

1st.—Allowance for the regular loss or increase in the moment of the Bar Magnet of Horizontal Force..
2nd.—Changes in the moment of Bar from the effects of Temperature.
3rd.—Allowance for the effects of moisture on the suspension threads of the Magnets used.
4th.—Allowance for a change in the torsion of suspension threads.
5th.—Allowance for the effects of other extraneous causes.

MAGNETIC MOMENT OF THE BAR.—The changes in the Magnetic Moments of the Bars used in the Horizontal Force Magnetometers are as follows:—

Large Horizontal Force Bar.			Cylindrical Magnet of Small Horizontal Force.		
Time of one Vibration in		1856..16·19	Time of one Vibration in		1856.. 3·48
„	„	1857..16·16	„	„	1857.. 3·46
„	„	1858..16·16	„	„	1858.. 3·44

It appears from the times of vibration of the Magnets when in perfect adjustment, that there is apparently a trifling loss of Magnetic Moment of the Bar every year.

The mean monthly loss of vibration of the small Horizontal Force Magnet suspended with a single thread at each new adjustment is supposed to be 0·0028.

CORRECTION FOR THE TEMPERATURE OF ATTACHED THERMOMETER OF HORIZONTAL FORCE MAGNETS.—This correction was found out by the way described in the preceding volumes.

Large Horizontal Force Magnetometer.			Small Horizontal Force Magnetometer.		
Temperature correction in		1855..0·170	Temperature correction in		1855.. ....
„	„	1856..0·184	„	„	1856..0·735
„	„	1857..0·164	„	„	1857..0·004
„	„	1858..0·179	„	„	1858..0·276

In the actual calculations made during the year 1858, 0·17 has been the assumed value of Temperature correction for Large Horizontal Force scale readings.

EFFECT OF MOISTURE ON THE SUSPENSION WIRES.—The silver suspension wire of the Large Horizontal Force Magnet is supposed not to be affected by atmospheric moisture; but the silk fibres of the Small Horizontal Force are doubtless affected by the changes of moisture; in the calculation of this correction Q' is the effect of a change of 1° Fahr. in the depression of Wet Bulb and Air Thermometers.

$$\Phi = 0{\cdot}127 \text{ in } 1856.$$
$$\Phi = 0{\cdot}135 \text{ in } 1857.$$
$$\Phi = 0{\cdot}032 \text{ in } 1858.$$

ALLOWANCE FOR A CHANGE IN THE TORSION OF SUSPENSION THREADS.—With respect to the suspension wires of the Large Horizontal Force Magnet and the fibres of the Small Horizontal Force, no allowance has been hitherto made for a peculiar twist which is produced in them by remaining, for a certain lapse of time, in one position, or the lengthening of wires from the same cause. This point could not be easily ascertained, as it is quite impossible to measure the differential change in the length of the suspension wires at each new adjustment.

ALLOWANCE FOR THE EFFECT OF CIRCUMAMBIENT AIR.—It was supposed the circumambient air was magnetic, and that its magnetism was either inherent or induced by the earth. This correction in the several preceding years is as follows:—

	E. Un.			E. Un.	
1858	= 0·0017	For the intensity values of Large Horizontal Force Magnetometer.	1858	= 0·0023	For the intensity values of Small Horizontal Force.
1857	= 0·0016				
1856	= 0·0018				
1855	= 0·0015				

The hourly observations during the year 1858 were reduced by the following formulæ:—

Large Horizontal Force $x = 8{\cdot}0342 + 0{\cdot}0164\ \{f + 0{\cdot}17\ (t\text{-}80) - 20{\cdot}00\}$
Small Horizontal Force $x = 8{\cdot}0260 + 0{\cdot}008\ \{f + 0{\cdot}28\ (t\text{-}80) - 0{\cdot}03\ W - 32{\cdot}00\}$

In the results the values were further reduced:—

Large Horizontal Force $X = \delta x + D \pm 0{\cdot}0017\ (t'\text{-}80)$
Small Horizontal Force $X = \delta x + D \pm 0{\cdot}0023\ (t'\text{-}80)$

In these formulæ δx denotes the Horizontal Intensity corrected for the temperature of attached Thermometer, and for the co-efficient of reduction.

f denotes the Scale reading of Horizontal Force uncorrected.
t denotes the temperature of Attached Thermometer.
W denotes the depression of Wet Bulb Thermometer.
X denotes the Horizontal Intensity, corrected for all corrections.
D denotes the daily correction for instrumental error.
t' denotes the Temperature of External and Free Air.

The method adopted in this Observatory, which gives the changes of the Earth's Magnetic Force in Absolute Measure, differs from all the other Observatories, as they give the changes in parts of the whole Horizontal Force.

ABSOLUTE DETERMINATION OF HORIZONTAL FORCE.

The Instrument used for the purpose of Deflections is the Small Declinometer in the Small Magnetic Observatory; and that which is used for the Vibrations is another small Declinometer, fixed in the North-Eastern angle of the same Observatory. The lengths of the Deflecting and Deflected cylindrical Magnets are respectively 3 and 2·46 inches.

The Determinations were made once a week, at about 20*h*. Göttingen Mean Solar Time, or Noon Bombay Mean Time. The time occupied in making these Observations on any day was about one hour. During the middle time of absolute Determinations, the Small and Large Horizontal Force Magnetometers were observed and duly registered.

The Absolute Value of Horizontal Force, obtained in English units, has been calculated by the formulæ—

$$X = \frac{\pi}{t}\sqrt{\frac{2}{1+k}\frac{K}{R^3 \tan u}} \qquad LM = XR^3 \tan u \; \frac{1+k}{4}$$

The Moment of Inertia of the solid Cylinder Magnet (A·51), as determined in December 1855, was 2·250. In the actual calculations of Horizontal Intensity of this year it was used without any alteration.

Probable error of an Observation of Absolute Determination of Horizontal Force, as explained in the Volume of 1848, is about 0·008.

TABLE II.—*Showing the Mean Monthly Values of Horizontal Force, as obtained from the Deflection Observations in* 1858.

Months.	Mean Date.	L. M.	X. Or Horizontal Intensity in E. Units.	Corresponding Reading of Large Horizontal Force.		Corresponding Reading of Small Horizontal Force.		Torsion Force.		Number of Observations.
				Scale Reading.	Attached Thermometer.	Scale Reading.	Attached Thermometer.	Deflected Magnet A·51.	Deflected Magnet 1·11.	
January	15	0·0835	8·033	19·75	79·6	34·87	74·6	1·0017	1·0022	5
February	15	·0835	·039	20·04	79·4	34·71	75·5	·0017	·0022	4
March	17	·0835	·034	19·24	83·8	33·79	81·1	·0017	·0019	3
April	16	·0833	·032	18·22	88·2	32·50	86·0	·0014	·0021	5
May	16	·0832	·040	18·32	89·6	32·43	87·6	·0018	·0020	3
June	14	·0833	·042	18·41	88·1	32·82	86·2	·0014	·0017	3
July	18	·0833	·043	19·01	84·8	34·29	82·8	·0014	·0015	4
August	17	·0833	·044	18·99	84·3	33·82	81·8	·0012	·0016	2
September	14	·0832	·038	18·75	84·3	32·73	81·5	·0011	·0016	3
October	15	·0831	·042	18·27	87·1	31·39	83·5	·0012	·0021	2
November	18	·0832	·041	19·29	83·8	30·72	78·0	·0012	·0021	3
December	14	·0832	·035	19·61	81·4	30·38	76·5	·0008	·0022	4
Annual Mean		0·0833	8·037	19·05	84·2	32·98	80·9	1·0014	1·0019	41

The Small Horizontal Force Magnetometer serves only as a check on the Observations of the Large Horizontal Force Magnetometer; and as the Small Instrument works under various disadvantages, no other results have been calculated from its Scale Values, except the monthly Means.

TABLE III.—*Showing the Horizontal Force of the Earth, calculated from the Scale Readings of Small Horizontal Force Magnetometer during the Year* 1858.

Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.	Months.	Mean Monthly Horizontal Force obtained from S. H. F.	Excess above the Mean of Large H. F.
January	8·0314	+ 0·0122	July.....	8·0394	+ 0·0139
February.....	·0305	+ 0·0081	August.....	·0357	+ 0·0083
March.....	·0357	+ 0·0115	September	·0301	+ 0·0021
April	·0375	+ 0·0107	October	·0250	− 0·0017
May.....	·0395	+ 0·0080	November	·0084	− 0·0230
June.....	·0398	+ 0·0102	December	7·9950	− 0·0312

It appears from this Table that the Values of Horizontal Force, obtained from the Scale Reading of Small Horizontal Force Magnetometer, were uncertain within about 0·03 English unit.

The Annual Mean was about 0·0165 greater than the Mean of the preceding year.

OCCASIONAL ADJUSTMENTS.—New reflectors were introduced in the wooden apparatus behind the large Horizontal Force Magnetometer.

VERTICAL FORCE MAGNETOMETER.

In the centre of a marble slab, 18 inches long by 11 inches broad, is fixed a copper frame-work, surmounted by two agate planes, upon which the knife-edge axle of the Bar Magnet rests. The dimensions of the Magnet Bar are as follows:—

Length.....	15·00 inches.
Breadth	1·25 „
Thickness.....	0·25 „

TEMPERATURE CORRECTION.—The Temperature effect is assumed to be 0·03 in Scale Divisions for one degree of Fahr.; this value was used during the year 1858 without any alteration.

CENTRE OF GRAVITY.—The best position for keeping the handle of Y supports is between 30° and 50° south, as in that position it seems to produce no changeable effect either on the Scale Readings or on the times of Vibration.

TIME OF VIBRATION.—The time of Vibration in the Horizontal Plane is assumed to be 13·00 seconds; the time of Vibration in the Vertical Plane has been carefully observed in each month of the year 1858.

TABLE IV.—*Showing the Times of Vibration of Vertical Force Magnetometer during the Year* 1858.

Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.	Months and Dates.	Time of one Vibration in Vertical Plane.
January.... 29	11·04*s.*	May 29	11·00*s.*	September.. 28	7·70*s.*
February .. 29	11·03	June 30	10·80	October.... 28	11·05
March 30	11·00	July 29	9·78	November.. 27	11·10
April..... 29	10·98	August 29	7·70	December.. 23	11·16

It was thought necessary to adjust the instrument about the close of the year, as the time of Vibration in the Vertical Plane was much lower than its normal value.

Occasional Adjustments.

2nd October.—The box of the Vertical Force Magnet removed, the needle rubbed over with salad oil and cleaned of corrosion.

28·73 Scale Reading after adjustment.	45·32 Scale Reading before adjustment.
81·2 Thermometer do.	82·0 Thermometer do.

THE INCLINATION.

The Dip Circle, which has now been in use for five years, was observed bi-weekly throughout the year 1858. It is made by Barrow, of London, and is similar in construction to Gambey's Circle.

The construction of the instrument, and the method of registering the Observations, are given in the Introduction to the Volume for 1852, under the head "Inclination."

The mean Annual Observed Dip in 1858 was equal to 19° 17′ 9″; this value was reduced from 100 Observations, each Observation being the mean of sixteen Observations of the Magnetic Dip Needle under different positions.

The Hourly Dip in Simple Hourly Observations was deduced from the absolute values of Horizontal and Vertical Intensities by the formula $\tan \theta = \frac{Y}{X}$; but in the results, the mean daily, hourly, and monthly values of calculated dip are made to come near enough to the values of Observed Dip.

TOTAL INTENSITY.

This was obtained by means of the Horizontal Intensity, calculated from the Scale Readings of the Large Horizontal Force Magnetometer, and the Dip deduced from the Vertical and Horizontal Intensities by the formula,—

$$R = X \sec. \theta$$

BOMBAY MAGNETICAL OBSERVATORY.

MAGNETICAL OBSERVATIONS.

1858.

DAILY OBSERVATIONS FROM 1ST TO 4TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JAN. 1ST-Noon.	19·630	19.44	83°3	22.72	81°3	8.0251	2.7719	19°03'6	L	4 12 p. m.
1	19.904	19.11	81.7	22.87	80.6	.0196	.7736	19.05.0	C	5 12 ,,
2	19.699	19.05	80.0	22.02	79.2	.0186	.7752	19.05.7	C	6 12 ,,
3	19.973	18.88	79.0	23.04	78.8	.0158	.7754	19.06.2	C	7 12 ,,
4	19.904	18.69	77.9	22·82	78.0	.0127	.7730	19.05.7	C	8 12 ,,
5	20.042	18.61	76.9	22.99	77.5	.0114	.7743	19.06.7	H	9 12 ,,
6	20.042	18.61	76.0	23.15	76.9	.0114	.7767	19.07.4	H	10 12 ,,
7	20.316	18.65	75.6	23·11	76.2	.0120	.7762	19.06.9	H	11 12 ,,
8	20.728	18.65	75.4	23.23	75.9	.0120	.7775	19.07.5	H	Midnight.
9	20.590	18.72	75.5	23.17	75.7	.0132	.7769	19.07.1	L	1 12 a. m.
10	21.208	18.55	75.3	23.22	75.6	.0104	.7774	19.07.7	L	2 12 ,,
11	20.728	18.89	75.0	23.21	75.4	.0160	.7773	19.06.9	L	3 12 ,,
12	20.865	18.61	74.6	23.20	74.9	.0114	.7775	19.07.7	L	4 12 ,,
13	20.247	18.64	74·2	23.24	74.5	.0119	.7776	19.07.5	C	5 12 ,,
14	19.836	18.58	74.1	23.28	74.2	.0109	.7781	19.07.9	C	6 12 ,,
15	19.424	18.63	74.0	23.34	74.0	.0117	.7787	19.08.0	C	7 12 ,,
16	20.316	18.97	74.8	23.58	74.0	.0173	.7814	19.08.4	C	8 12 ,,
17	21.551	19.38	76.0	23.60	74.9	.0240	.7816	19.07.6	H	9 12 ,,
18	21.482	19.60	77.5	23.25	75.6	.0276	.7778	19.05.6	H	10 12 ,,
19	21.208	19.68	79.3	23.10	76.8	.0289	.7761	19.04.7	H	11 12 ,,
20	21.276	19.59	80.3	23.02	78.0	.0275	.7752	19.04.6	H	Noon.
21	21.551	19.67	81.9	22.82	79.4	.0288	.7730	19.03.6	L	1 12 p. m.
22	20.590	19.68	83.5	22·54	80.8	.0289	.7699	19.02.3	L	2 12 ,,
23	19.904	19.46	83·5	22.55	81.0	.0254	.7700	19.02.9	L	3 12 ,,
JAN. 3RD-Noon.	19.424	19.13	81.9	22.76	80.4	.0199	.7723	19.04.5	L	4 12 ,,
1	19.630	18.93	81.0	22.80	79.9	.0166	.7728	19.05.1	L	5 12 ,,
2	19·561	18.88	80.0	22.94	79.5	.0158	.7743	19.05.8	L	6 12 ,,
3	19.836	18.74	79.1	23.07	79.0	.0136	.7757	19.06.7	L	7 12 ,,
4	20.042	18.69	78.2	23.11	78.3	.0127	.7762	19.06.8	L	8 12 ,,
5	20.179	18.54	76.8	23.21	77.9	.0103	.7773	19.07.7	C	9 12 ,,
6	20.076	18.73	76.6	22.98	77.4	.0134	.7747	19.06.4	C	10 12 ,,
7	20.179	18.73	76.2	23·08	77.1	.0134	.7758	19.06.8	C	11 12 ,,
8	20·487	18.70	76.6	23.10	77.0	.0129	.7761	19.06.8	C	Midnight.
9	20.522	18.96	76.4	23.12	76.8	.0171	.7763	19.06.4	H	1 12 a. m.
10	21.071	18.68	76.0	23·24	76.4	.0125	.7776	19.07.4	H	2 12 ,,
11	20·590	18.71	75.3	23.11	76.0	.0131	.7762	19.06 8	H	3 12 ,,
12	19.904	18.99	74.8	23.12	75·5	.0176	.7763	19.06.3	H	4 12 ,,
13	19·013	19.10	74.5	23.18	75·4	.0194	.7769	19.06.3	L.	5 12 ,,
14	18.395	19.19	74.3	23.07	75.0	.0209	.7757	19.05.8	L	6 12 ,,
15	18.052	19.18	74.4	23.14	74.5	.0207	.7765	19.06.0	L	7 12 ,,
16	18.258	19.44	75.2	23.18	74.7	.0251	.7769	19.05.5	L	8 12 ,,
17	19.150	19.74	76.2	23.20	75.0	.0300	.7772	19.05.0	C	9 12 ,,
18	19.493	19.89	77.8	22.94	76.0	.0324	.7743	19.03.7	C	10 12 ,,
19	19.081	19.98	79.1	22.87	77.0	.0338	.7735	19.03.4	C	11 12 ,,
20	19.218	19.92	80·5	22.89	78.0	.0328	.7737	19.03.4	C	Noon.
21	19.424	19.73	81.4	22.85	79.1	.0298	.7733	19.03.6	H	1 12 p. m.
22	19·767	19.41	81.6	22.87	79.7	.0246	.7735	19.04.3	H	2 12 ,,
23	19.904	19.14	81.2	22.88	79.7	.0201	.7766	19.05.0	H	3 12 ,,
JAN. 4TH-Noon.	20·110	18.89	80·0	22.89	79.6	.0160	.7726	19.05.1	H	4 12 ,,
1	19.699	18.88	79.0	22.88	78.8	.0158	.7725	19.05.1	L	5 12 ,,
2	19.630	18.69	78.0	22.98	78.3	.0127	.7736	19.05.9	L	6 12 ,,
3	19.904	18.66	77.9	23.07	77.6	.0122	.7757	19.06.9	L	7 12 ,,
4	19.904	18.73	77.5	23.06	77.2	.0134	.7756	19.06.7	L	8 12 ,,
5	19.801	18.63	77.0	23.13	76.9	.0117	.7764	19.07.0	C	9 12 ,,
6	19.904	18.57	76.2	23.20	76.5	.0108	.7772	19.07.5	C	10 12 ,,
7	20.316	18.65	75.5	23.14	76.0	.0120	.7765	19.07.1	C	11 13 ,,
8	19.904	18.67	75.0	23.19	75.4	.0124	.7770	19.07.3	C	Midnight.
9	20.179	18.58	74.8	23.19	75.2	.0109	.7770	19.07.5	H	1 12 a. m.
10	20.042	18·84	74.1	23.16	74.8	.0152	.7767	19.06.8	H	2 12 ,,
11	20.316	18.83	73·5	23.30	74.2	.0150	.7786	19.07·5	H	3 12 ,,

On the 1st, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 4TH TO 6TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JAN. 4TH—12	20·042	18.79	73°7	23·29	74°0	8.0144	2.7781	19°07′5	H	4 12 a. m.
13	19.561	18.81	73.5	23.35	73.7	.0147	.7788	19.07.6	L	5 12 „
14	19.336	18.84	73.3	23.40	73.5	.0152	.7794	19.07.8	L	6 12 „
15	20.316	18.68	73.1	23·55	73.1	.0125	78.10	19.08.8	L	7 12 „
16	21.345	18.98	74.0	23·65	73.4	.0174	.7821	19.08.7	L	8 12 „
17	20.247	19.40	75.1	23.30	74.0	.0244	.7783	19.06.3	C	9 12 „
18	20.659	19.93	77.0	22·76	75.0	.0330	.7723	19.02.8	C	10 12 „
19	19.767	20.23	78.6	22.63	76.0	.0380	.7709	19.01.6	C	11 12 „
20	20.522	20.12	79.8	22.76	77.1	.0361	.7723	19.02.4	C	Noon.
21	21.208	20.02	80.4	22·90	77.9	.0345	.7739	19.03.1	H	1 12 p. m.
22	21.071	19.87	80.8	22.84	78.6	.0321	.7732	19.03.2	H	2 12 „
23	20.865	19.57	80.7	22.79	79.0	.0272	.7726	19.03.7	H	3 12 „
JAN. 5TH-Noon.	20.179	19.71	80.4	22.62	79.0	.0295	.7708	19.02.6	H	4 12 „
1	20.453	19.21	79.2	22.70	78.4	.0213	.7717	19·04.2	L	5 12 „
2	21.551	18.81	78·0	22·84	77.9	.0147	.7732	19.05.4	L	6 12 „
3	20.110	18.69	77·4	22.90	77.2	.0127	.7739	19.06.0	L	7 12 „
4	19.699	18.64	76.9	22.94	76.8	.0119	.7743	19.06.3	L	8 12 „
5	19.699	18·83	76.3	23.05	76.5	.0150	.7755	19.06.4	C	9 12 „
6	20.316	18.70	75·6	23.16	76.0	.0129	.7767	19.07.1	C	10 12 „
7	20.247	18.58	75·2	23.07	75.5	.0109	.7757	19.07.1	C	11 12 „
8	20.453	18.53	74.7	23.14	75.1	.0101	.7765	19.07.4	C	Midnight.
9	20.247	18.62	73.9	23·29	74.8	.0115	.7781	19.07.7	H	1 12 a. m.
10	20.316	18.52	73.3	23.36	74.0	.0099	.7789	19.08.3	H	2 12 „
11	20.590	18.83	72·8	23.47	73.5	.0150	.7801	19.08.1	H	3 12 „
12	20.179	18.60	72.0	23.52	73.0	.0112	.7807	19.09.0	H	4 12 „
13	20.110	18·60	71.9	23·63	72.7	.0112	.7819	19.09.4	L	5 12 „
14	19.904	18.80	71.8	23.43	72.5	.0145	.7797	19.08.0	L	6 12 „
15	19.699	18.81	72.0	23.39	72.1	.0147	.7792	19.07.7	L	7 12 „
16	19.767	19·15	73·0	23.42	72.4	.0202	.7796	19.07.3	L	8 12 „
17	19.287	19.67	74·2	23.32	73.0	.0288	.7785	19.05·7	C	9 12 „
18	18.944	19.99	75.6	23.18	74.0	.0340	.7769	19.04.4	C	10 12 „
19	18.258	20.19	77·3	23.07	75.2	.0373	.7757	19.03.7	C	11 12 „
20	18.052	20.21	78·1	23.05	76.0	.0377	.7755	19.03.5	C	Noon.
21	19.836	19.82	78.9	23.20	76.9	.0312	.7772	19.04.9	H	1 12 p. m.
22	20.385	19.68	79.8	23.06	77.5	.0289	.7756	19.04.6	H	2 12 „
23	20.522	19.52	79.9	23.00	78.4	.0263	.7750	19.04.8	H	3 12 „
JAN. 6TH-Noon.	20.247	19.20	79.4	22.95	78.4	.0211	.7744	19.05.2	H	4 12 „
1	19.904	18.87	78.2	22.88	77.5	.0157	.7736	19.05.5	L	5 12 „
2	19.699	18.62	77.2	23.00	77.0	.0115	.7750	19.06.6	L	6 12 „
3	20.659	18.55	76.6	23.05	76.5	.0104	.7755	19.07.1	L	7 12 „
4	20.385	18.62	76.2	23.06	76.0	.0115	.7756	19.06.8	L	8 12 „
5	20.042	18.57	75.6	23.12	75.8	.0108	.7763	19.07.2	C	9 12 „
6	20.042	18.52	75.0	23·27	75.5	.0099	.7779	19.07.9	C	10 12 „
7	20.247	18.51	74.4	23.14	75.1	.0089	.7765	19.07.4	C	11 12 „
8	20.316	18.60	73.8	23.10	74.8	.0112	.7761	19.07.1	C	Midnight.
9	19.973	18.74	73.8	23.12	74.5	.0136	.7763	19.06.8	H	1 12 a. m.
10	20.042	18.66	73.8	23.19	74.3	.0122	.7770	19.07.3	H	2 12 „
11	19.973	18.71	73.5	23.20	74.0	.0131	.7772	19.07.2	H	3 12 „
12	19.904	18.60	73.4	23.29	73.9	.0112	.7781	19.07.9	H	4 12 „
13	19.767	18.75	73.0	23.36	73.6	.0137	.7789	19.07.8	L	5 12 „
14	19.630	18.70	72.8	23.35	73.4	.0129	.7788	19.07.9	L	6 12 „
15	19.836	18.71	72·9	23.44	73.3	.0131	.7798	19.08.3	L	7 12 „
16	20.659	18.99	73.7	23·60	73.4	.0176	.7816	19.08.4	L	8 12 „
17	24.226	19.36	74.8	23.66	73.8	.0237	.7822	19.07.8	C	9 12 „
18	19.424	19.61	75.9	22·94	74.5	.0278	.7743	19.04.3	C	10 12 „
19	18.189	19.80	77.4	22.89	75.4	.0293	.7737	19.03.9	C	11 12 „
20	18.327	19.84	78.4	22.90	76.5	.0300	.7739	19.03.8	C	Noon.
21	19.356	19·63	79.0	22.84	77.3	.0281	.7732	19.03.8	H	1 12 p. m.
22	19.904	19.55	79.6	22·84	77.9	.0268	.7732	19.03.9	H	2 12 „
23	20.042	19.50	79.6	22·82	78.4	.0260	.7730	19.04.0	H	3 12 „

On the 4th, at about 19h., Dip as obtained by Observation was 19°13′1.

DAILY OBSERVATIONS FROM 7TH TO 9TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Jan. 7th-Noon.	20·316	19.23	79°0	22.80	78°4	8.0215	2.7728	19°04′4	H	4 12 p. m.
1	20.110	19.08	78.0	22.83	77.8	.0191	.7731	19.04.9	L	5 12 „
2	20.179	18.86	77·3	22.94	77.4	.0155	.7743	19.05.8	L	6 12 „
3	20·179	18·74	77.0	23.00	76.9	.0136	.7750	19.06.4	L	7 12 „
4	20.179	18.67	76.4	23.02	76.6	.0124	.7752	19.06.6	L	8 12 „
5	19.767	18.70	76.1	23.04	76.4	.0129	.7754	19.06.6	C	9 12 „
6	19.767	18.69	75.6	23.05	75.9	.0127	.7755	19.06.7	C	10 12 „
7	19.973	18.74	75.1	23.09	75.5	.0136	.7759	19.06.7	C	11 12 „
8	19.836	18.76	75·1	23.10	75.3	.0139	.7761	19.06·7	C	Midnight.
9	19.836	18.72	74·8	23.12	75.0	.0132	.7763	19.06.9	H	1 12 a. m.
10	19.836	18.68	74.3	23.24	74.5	.0125	.7776	19.07.4	H	2 12 „
11	19.561	18.65	73.9	23.22	74.1	.0120	.7774	19.07.4	H	3 12 „
12	19.424	18·83	73.4	23.21	74.0	.0150	.7773	19.07.0	H	4 12 „
13	19.053	18.76	73.4	23.31	73.7	.0129	.7784	19.07.7	L	5 12 „
14	19.150	18.75	73.3	23.37	73.6	.0127	.7790	19 08.0	L	6 12 „
15	18.464	18.74	73.1	23.36	73.3	.0126	.7789	19.07.9	L	7 12 „
16	19.973	19.10	73.8	23.60	73.4	.0194	.7816	19.08.2	L	8 12 „
17	21.071	19.36	75.1	23.25	73.8	.0227	.7777	19.06.2	C	9 12 „
18	20.316	19.78	76.9	23.07	74.9	.0306	.7757	19.04.5	C	10 12 „
19	20.179	20.04	78.4	22.82	76.0	.0349	.7730	19.02.8	C	11 12 „
20	21.139	19.88	78.8	22.74	76.3	.0322	.7721	19.02.8	C	Noon.
21	22.581	19.62	78.9	22.64	77.0	.0279	.7710	19.03.0	H	1 12 p. m.
22	20.659	19.28	79.6	22.46	77.7	.0224	.7690	19.02.9	H	2 12 „
23	19.699	19.19	79.9	22.52	78.1	.0209	.7697	19.03.4	H	3 12 „
Jan. 8th-Noon.	19.699	19.16	79 5	22.65	78.2	.0204	.7711	19.04.2	H	4 12 „
1	19.561	19.12	78.3	22.78	77.7	·0197	.7725	19.04·6	L	5 12 „
2	19.493	18.99	77.5	22.87	77·4	.0176	.7735	19.05.3	L	6 12 „
3	19.630	18.90	77.1	22.93	77.0	.0161	.7742	19.05.7	L	7 12 „
4	19.904	19.53	76·6	22.95	76.7	.0270	·7744	19.04.4	L	8 12 „
5	21.208	18.64	76.1	23.09	76.3	.0119	.7759	19.06.9	C	9 12 „
6	20.659	17.78	75.8	22.93	76.0	7.9978	.7742	19.07.8	C	10 12 „
7	21.482	17.28	75.0	22.84	75.7	.9896	.7732	19.08.4	C	11 12 „
8	20·522	17.79	74.0	22.85	75.1	.9980	.7733	19.07.5	C	Midnight.
9	19.767	17.94	73.7	22.83	74.8	8.0004	.7731	19.07.0	H	1 12 a. m.
10	18.532	18.10	73.3	22.90	74.4	.0030	.7739	19.06.9	H	2 12 „
11	17.984	17.67	72.9	22.95	73.9	7.9960	.7744	19.08.1	H	3 12 „
12	16.612	18.09	72.9	22.95	70.6	8.0029	.7744	19.07.1	H	4 12 „
13	17.229	17.65	72.0	23.29	73.2	7.9956	.7781	19.09.5	L	5 12 „
14	16.749	17.76	72.1	23.27	73.1	.9975	.7779	19.09.2	L	6 12 „
15	17.503	17.64	72.3	23.44	73.0	.9955	.7798	19.10.1	L	7 12 „
16	19.595	18.05	73.0	23.66	73.0	8.0022	·7822	19.10.2	L	8 12 „
17	21.139	18.48	73.7	23.59	73.4	.0093	.7814	19.09.0	C	9 12 „
18	20.830	18.04	75.1	23.61	74.0	.0021	.7817	19.10.1	C	10 12 „
19	22.444	20.47	76.8	22.81	75.1	.0420	.7729	19.01.8	C	11 12 „
20	22.854	17.23	78.0	22.01	76.1	7.9888	.7641	19.05.1	C	Noon.
21	22.718	18.25	78.7	22.73	77.1	8.0055	.7720	19.05.8	H	1 12 p. m.
22	21.688	16.82	78.9	22.67	77·9	7.9820	.7713	19.08.8	H	2 12 „
23	20.728	16.64	79.0	22.68	78.4	.9771	.7714	19.09.3	H	3 12 „
Jan. 9th-Noon.	21.345	16.36	78.6	22.78	78.4	.9745	.7725	19.10.2	H	4 12 „
1	21·139	17.02	77.6	22.87	77.4	.9843	.7724	19·09.0	L	5 12 „
2	21.345	17.11	76·9	23.00	77.0	.9868	.7750	19.09.7	L	6 12 „
3	21.276	17.04	76.3	23.06	76.6	.9857	.7756	19.10.0	L	7 12 „
4	21.139	17.10	76.0	23.09	76.4	.9866	.7759	19.10.0	L	8 12 „
5	20.933	17.27	76.0	23.19	76.0	.9893	.7770	19.10.1	C	9 12 „
6	21.208	17.19	75.0	22.93	75.9	.9881	.7742	19.09.2	C	10 12 „
7	20.762	17·28	74.2	22.90	75.1	.9896	.7739	19.08.7	C	11 12 „
8	20.865	17.29	73.3	23.10	74.8	.9898	.7761	19.09.5	C	Midnight.
9	20.728	17.34	73.3	23.28	74·4	.9906	.7780	19.10.2	H	1 12 a. m.
10	20.865	17.35	72.9	23.42	73.9	.9907	.7796	19.10.8	H	2 12 „
11	20.933	17.36	72.7	23.38	73.6	·9909	.7791	19.10.6	H	3 12 „

On the 7th, at about 19h., Dip as obtained by Observation was 19°21′5.
On the 8th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 9TH TO 12TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JAN. 9TH—12	20°865	17.41	72°9	23.49	73°4	7.9918	2.7803	19°10'9	H	4 12 a. m.
13	20.796	17.42	71.8	23.44	73.1	.9919	.7798	19.10.7	L	5 12 „
14	20.865	17.42	71.3	23.56	72.7	.9919	.7811	19.11.2	L	6 12 „
15	20.865	17.63	71.4	23.60	72.4	.9953	.7816	19.11.0	L	7 12 „
16	22.101	17.91	72.4	23.63	72.4	.9999	.7819	19.10.4	L	8 12 „
17	23.335	18.18	73.8	23.55	73.0	8.0043	.7810	19.09.6	C	9 12 „
18	21.826	18.48	75.5	22.88	74.0	.0093	.7736	19.06.0	C	10 12 „
19	20.179	18.52	76.8	22.75	75.0	.0099	.7722	19.05.7	C	11 12 „
20	20.453	18.55	77.5	22.82	76.0	.0104	.7730	19.06.1	C	Noon.
21	20.453	18.41	78.6	22.76	77.0	.0082	.7723	19.05.2	H	1 12 p. m.
22	20.865	18.21	79.4	22.78	77.8	.0049	.7725	19.06.1	H	2 12 „
23	21.276	17.90	79.6	22.79	78.3	7.9997	.7726	19.06.8	H	3 12 „
JAN. 11TH-Noon.	19.356	18.34	80.1	22.72	79.0	8.0070	.7719	19.05.6	H	4 12 „
1	20.247	18.08	79.4	22.89	78.8	.0027	.7737	19.06.9	H	5 12 „
2	20.179	18.18	78.0	22.96	78.0	.0043	.7745	19.07.1	L	6 12 „
3	20.796	18.18	77.4	23.06	77.6	.0027	.7756	19.07.6	L	7 12 „
4	20.796	18.18	77.3	23.07	77.3	.0043	.7757	19.07.6	L	8 12 „
5	20.522	18.13	76.9	23.06	77.1	.0035	.7756	19.07.5	C	9 12 „
6	20.385	18.15	76.3	23.14	76.9	.0038	.7765	19.07.8	C	10 12 „
7	20.213	18.25	76.2	23.01	76.8	.0055	.7751	19.07.0	C	11 12 „
8	20.247	18.35	76.5	23.05	76.5	.0071	.7755	19.07.1	C	Midnight.
9	20.042	18.31	76.0	22.86	76.0	.0065	.7734	19.06.2	H	1 12 a. m.
10	19.904	18.39	75.9	22.98	76.0	.0078	.7747	19.06.7	H	2 12 „
11	19.904	18.36	75.7	22.98	75.9	.0073	.7747	19.06.8	H	3 12 „
12	19.561	18.38	75.6	22.95	75.7	.0076	.7744	19.06.5	H	4 12 „
13	19.699	18.39	75.0	22.97	75.5	.0078	.7746	19.06.6	L	5 12 „
14	20.110	18.46	74.9	23.03	75.3	.0090	.7753	19.06.7	L	6 12 „
15	19.904	18.46	74.9	23.12	74.8	.0090	.7763	19.07.0	L	7 12 „
16	21.551	18.71	75.4	23.38	75.0	.0131	.7791	19.08.0	L	8 12 „
17	22.923	19.06	76.9	23.23	76.0	.0188	.7775	19.06.6	C	9 12 „
18	21.963	19.33	78.0	22.75	76.8	.0232	.7722	19.04.0	C	10 12 „
19	20.247	19.69	79.8	22.57	78.0	.0291	.7702	19.02.4	C	11 12 „
20	21.071	19.45	81.3	22.78	79.3	.0252	.7725	19.03.9	C	Noon.
21	21.758	19.17	83.0	22.67	80.9	.0206	.7713	19.04.0	H	1 12 p. m.
22	21.551	19.00	84.1	22.27	82.3	.0178	.7669	19.02.6	H	2 12 „
23	20.796	18.94	85.0	22.10	83.4	.0168	.7651	19.02.1	H	3 12 „
JAN. 12TH-Noon.	20.453	18.79	85.6	22.25	83.1	.0144	.7667	19.03.2	H	4 12 „
1	20.247	18.65	83.4	22.32	82.0	.0120	.7675	19.03.6	L	5 12 „
2	20.247	18.45	81.2	22.72	81.1	.0088	.7719	19.05.3	L	6 12 „
3	20.933	18.30	80.0	22.85	80.3	.0063	.7733	19.06.3	L	7 12 „
4	20.522	18.32	79.4	22.88	79.8	.0066	.7736	19.06.3	L	8 12 „
5	20.316	18.36	79.0	22.93	79.4	.0073	.7742	19.06.5	C	9 12 „
6	20.179	18.36	78.2	22.66	79.0	.0073	.7712	19.05.3	C	10 12 „
7	20.453	18.35	77.7	22.63	78.9	.0071	.7709	19.05.2	C	11 12 „
8	20.316	18.27	77.3	22.60	78.4	.0059	.7706	19.05.2	C	Midnight.
9	19.561	18.56	77.6	22.64	78.2	.0106	.7710	19.05.2	H	1 12 a. m.
10	19.904	18.74	77.5	22.69	78.0	.0136	.7715	19.05.0	H	2 12 „
11	20.385	18.50	77.1	22.69	77.9	.0096	.7715	19.05.5	H	3 12 „
12	19.973	18.49	77.0	22.69	77.5	.0095	.7715	19.05.5	H	4 12 „
13	19.767	18.55	76.6	22.73	77.0	.0104	.7720	19.05.7	L	5 12 „
14	19.493	18.58	76.4	22.75	77.1	.0109	.7722	19.05.6	L	6 12 „
15	19.424	18.61	76.4	22.85	76.9	.0124	.7733	19.05.9	L	7 12 „
16	21.139	18.97	77.0	23.07	77.0	.0173	.7757	19.06.3	L	8 12 „
17	22.444	18.96	77.7	22.97	77.2	.0171	.7746	19.05.8	C	9 12 „
18	21.276	19.03	79.2	22.59	78.0	.0183	.7704	19.04.0	C	10 12 „
19	19.836	19.18	81.1	22.57	79.0	.0197	.7702	19.03.6	C	11 12 „
20	20.179	19.02	82.8	22.71	80.9	.0181	.7718	19.04.6	C	Noon.
21	21.075	18.82	84.2	22.66	82.0	.0148	.7722	19.05.0	H	1 12 p. m.
22	21.002	18.72	85.4	22.41	83.1	.0132	.7685	19.03.9	H	2 12 „
23	20.042	18.60	86.0	22.29	83.6	.0112	.7671	19.03.6	H	3 12 „

On the 11th, at about 20h., Dip as obtained by Observation was 19°11'9.

DAILY OBSERVATIONS FROM 13TH TO 15TH JANUARY 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
JAN. 13TH-Noon.	19'493	18.21	84°2	22.24	83°0	8.0049	2.7670	19°04'0	H	4 12 p. m.
1	19.904	18.15	82.7	22.34	82.3	.0038	.7677	19.04.5	L	5 12 ,,
2	20.179	18.08	80.8	22.57	81.2	.0027	.7702	19.05.4	L	6 12 ,,
3	21.345	17.99	80.1	22.71	80.4	.0012	.7718	19.06.4	L	7 12 ,,
4	20.728	17.95	79.9	22.72	80.0	.0005	.7719	19.06.4	L	8 12 ,,
5	20.728	18.18	79.8	22.71	80.0	.0043	.7718	19.06.0	C	9 12 ,,
6	20.933	17.98	79.3	22.81	79.8	.0010	.7729	19.06.8	C	10 12 ,,
7	21.345	17.79	78.6	22.83	79.4	7.9980	.7731	19.07.4	C	11 12 ,,
8	21.208	17.88	78.1	22.62	79.0	.9994	.7708	19.06.3	C	Midnight.
9	20.728	18.30	78.5	22.77	78.9	8.0063	.7724	19.05.9	H	1 12 a. m.
10	21.071	17.96	78.0	22.76	78.5	.0007	.7723	19.06.6	H	2 12 ,,
11	20.247	17.99	77.0	22.71	78.0	.0012	.7718	19.06.4	H	3 12 ,,
12	19.699	18.28	77.2	22.73	77.9	.0060	.7720	19.05.8	H	4 12 ,,
13	18.875	18.40	77.0	22.75	77.6	.0080	.7722	19.05.6	L	5 12 ,,
14	18.670	18.37	76.9	22.75	77.5	.0075	.7722	19.05.6	L	6 12 ,,
15	19.013	18.59	77.0	22.76	77.4	.0111	.7723	19.05.7	L	7 12 ,,
16	20.179	18.84	77.4	22.97	77.4	.0152	.7746	19.06.0	L	8 12 ,,
17	22.101	19.16	78.3	22.98	77.9	.0204	.7747	19.05.5	C	9 12 ,,
18	22.649	19.31	79.9	22.76	78.9	.0229	.7723	19.04.1	C	10 12 ,,
19	21.482	19.46	81.0	22.59	80.0	.0254	.7704	19.03.0	C	11 12 ,,
20	21.619	19.49	82.6	22.63	81.0	.0259	.7709	19.03.1	C	Noon. p. m.
21	22.444	19.49	84.5	22.54	82.4	.0259	.7699	19.02.7	H	1 12
22	22.581	19.37	85.6	22.19	83.6	.0239	.7660	19.01.5	H	2 12 ,,
23	21.551	19.07	86.1	22.12	83.9	.0190	.7653	19.01.9	H	3 12 ,,
JAN. 14TH-Noon.	20.383	18.77	84.5	22.11	83.1	.0141	.7652	19.02.5	H	4 12 ,,
1	19.767	18.75	83.2	22.18	82.6	.0137	.7659	19.02.8	L	5 12 ,,
2	19.630	18.74	82.1	22.39	82.2	.0136	.7682	19.03.6	L	6 12 ,,
3	19.973	18.61	81.3	22.46	81.6	.0114	.7690	19.04.4	L	7 12 ,,
4	20.247	18.42	80.2	22.51	81.0	.0083	.7696	19.04.8	L	8 12 ,,
5	20.247	18.47	80.1	22.56	80.6	.0092	.7701	19.04.6	C	9 12 ,,
6	20.316	18.55	80.0	22.56	80.5	.0104	.7701	19.04.9	C	10 12 ,,
7	20.110	18.59	80.0	22.60	80.1	.0111	.7706	19.05.0	C	11 12 ,,
8	20.110	18.58	79.9	22.57	80.0	.0109	.7702	19.04.8	C	Midnight.
9	19.973	18.52	79.3	22.60	79.8	.0099	.7706	19.05.1	H	1 12 a. m.
10	20.042	18.53	79.0	22.67	79.6	.0101	.7713	19.05.5	H	2 12 ,,
11	19.904	18.59	78.9	22.66	79.4	.0111	.7712	19.05.2	H	3 12 ,,
12	19.424	18.56	78.2	22.64	79.0	.0106	.7710	19.05.2	H	4 12 ,,
13	18.875	18.75	78.5	22.70	79.0	.0137	.7717	19.05.1	L	5 12 ,,
14	19.013	18.76	78.4	22.67	78.9	.0139	.7713	19.04.9	L	6 12 ,,
15	18.875	18.89	78.0	22.77	78.5	.0160	.7724	19.05.0	L	7 12 ,,
16	20.385	19.01	77.7	22.86	78.3	.0180	.7734	19.05.2	L	8 12 ,,
17	22.305	19.46	79.1	22.81	78.5	.0254	.7729	19.04.0	C	9 12 ,,
18	23.267	19.80	80.8	22.48	79.3	.0309	.7692	19.01.8	C	10 12 ,,
19	21.551	19.72	82.3	21.81	80.3	.0296	.7619	18.59.1	C	11 12 ,,
20	20.453	19.56	83.5	21.93	81.1	.0270	.7632	19.00.0	C	Noon.
21	21.139	19.40	84.6	22.02	82.5	.0244	.7642	19.00.8	H	1 12 p. m.
22	20.453	19.27	85.6	22.00	83.7	.0222	.7640	19.01.0	H	2 12 ,,
23	20.179	19.11	85.9	22.01	84.1	.0196	.7641	19.01.3	H	3 12 ,,
JAN. 15TH-Noon.	19.836	18.89	85.2	22.07	84.0	.0160	.7647	19.02.1	H	4 12 ,,
1	19.287	18.81	84.1	22.11	83.8	.0147	.7652	19.02.3	C	5 12 ,,
2	19.424	18.90	83.1	22.34	83.0	.0161	.7677	19.03.2	C	6 12 ,,
3	19.699	18.84	82.8	22.22	82.4	.0152	.7664	19.02.7	C	7 12 ,,
4	19.699	18.71	82.1	22.31	82.0	.0131	.7674	19.03.4	C	8 12 ,,
5	19.973	18.61	81.1	22.34	81.4	.0114	.7677	19.03.9	L	9 12 ,,
6	20.110	18.59	80.7	22.35	81.0	.0111	.7678	19.03.9	L	10 12 ,,
7	19.699	18.63	80.1	22.46	80.5	.0117	.7690	19.04.2	L	11 12 ,,
8	20.110	18.67	79.7	22.55	80.1	.0124	.7700	19.04.6	L	Midnight.
9	20.042	18.80	79.1	22.54	80.0	.0145	.7699	19.04.1	H	1 12 a. m.
10	19.699	18.80	79.1	22.49	79.7	.0145	.7693	19.03.9	H	2 12 ,,
11	19.218	18.72	78.6	22.47	79.2	.0132	.7691	19.04.1	H	3 12 ,,

DAILY OBSERVATIONS FROM 15TH TO 18TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JAN. 15TH—12	19°630	18.69	78°1	22.51	78°9	8.0127	2.7696	19°04'4	H	4 12 a. m.
13	19.013	18.93	77.9	22.03	78.0	.0166	.7643	19.01.8	C	5 12 „
14	18.944	18.93	76.4	22.52	77.5	.0166	.7697	19.03.9	C	6 12 „
15	17.709	19.79	76.9	22.75	77.4	.0308	.7722	19.03.0	C	7 12 „
16	19.699	19.73	77.8	23.04	77.9	.0298	.7754	19.04.4	C	8 12 „
17	20.796	19.72	79.0	22.79	78.1	.0296	.7726	19.03.3	L	9 12 „
18	20.590	20.03	80.6	22.37	79.0	.0347	.7680	19.00.8	L	10 12 „
19	18.944	20.40	82.0	21.98	80.0	.0408	.7637	19.58.5	L	11 12 „
20	19.366	20.12	82.4	22.24	80.7	.0361	.7666	19.00.1	L	Noon.
21	21.619	19.36	82.9	22.72	81.4	.0237	.7719	19.03.8	H	1 12 p. m.
22	21.963	19.14	82.9	22.52	81.9	.0201	.7697	19.03.5	H	2 12 „
23	21.895	19.14	82.7	22.50	82.0	.0201	.7695	19.03.4	H	3 12 „
JAN. 17TH-Noon.	18.944	18.67	81.6	22.64	81.4	.0124	.7710	19.05.0	R	4 12 „
1	19.218	18.64	80.6	22.64	80.9	.0119	.7710	19.05.0	R	5 12 „
2	19.218	18.53	79.7	22.66	80.0	.0101	.7712	19.05.3	R	6 12 „
3	19.150	18.07	79.3	22.61	79.8	.0026	.7707	19.05.7	R	7 12 „
4	19.424	18.01	79.0	22.76	79.3	.0016	.7723	19.06.4	R	8 12 „
5	20.316	18.03	78.2	22.88	78.8	.0019	.7736	19.06.9	L	9 12 „
6	20.247	18.02	77.7	23.11	78.3	.0016	.7762	19.07.8	L	10 12 „
7	20.247	18.10	76.6	23.33	77.7	.0030	.7786	19.08.7	L	11 12 „
8	21.619	18.22	76.2	23.17	77.2	.0049	.7768	19.07.7	L	Midnight.
9	21.002	18.14	76.0	23.02	77.0	.0037	.7763	19.07.7	H	1 12 a.m.
10	20.659	18.16	76.0	22.94	76.8	.0040	.7743	19.07.0	H	2 12 „
11	20.796	18.36	75.9	23.06	76.7	.0073	.7756	19.07.1	H	3 12 „
12	20.179	18.48	75.8	23.09	76.4	.0093	.7759	19.06.9	H	4 12 „
13	19.218	18.43	75.2	23.01	75.9	.0085	.7751	19.06.6	R	5 12 „
14	19.973	18.57	74.9	23.11	75.4	.0108	.7762	19.07.1	R	6 12 „
15	20.316	18.40	73.2	22.95	74.9	.0080	.7744	19.06.5	R	7 12 „
16	20.522	18.60	73.9	23.25	74.8	.0112	.7777	19.07.8	R	8 12 „
17	21.482	18.75	74.9	23.32	74.8	.0137	.7785	19.07.7	L	9 12 „
18	21.071	19.02	75.7	23.02	75.3	.0180	.7752	19.05.9	L	10 12 „
19	19.693	19.25	77.0	22.63	76.1	.0219	.7709	19.03.6	L	11 12 „
20	19.218	19.26	78.3	22.56	77.0	.0221	.7701	19.03.3	L	Noon.
21	19.767	19.22	79.3	22.73	77.9	.0214	.7720	19.04.3	H	1 12 p.m.
22	20.110	19.06	79.7	22.81	78.6	.0188	.7729	19.04.8	H	2 12 „
23	20.247	18.81	79.9	22.79	79.0	.0147	.7726	19.05.2	H	3 12 „
JAN. 18TH-Noon.	20.316	18.62	79.0	22.77	78.9	.0115	.7724	19.05.5	H	4 12 „
1	20.316	18.81	78.9	22.72	78.3	.0147	.7719	19.04.9	R	5 12 „
2	19.904	18.50	77.0	22.83	77.5	.0096	.7731	19.06.1	R	6 12 „
3	20.110	18.53	76.8	22.92	77.2	.0101	.7741	19.06.5	R	7 12 „
4	20.316	18.37	76.3	22.96	76.9	.0075	.7745	19.06.6	R	8 12 „
5	20.247	18.35	76.1	23.00	76.8	.0071	.7750	19.06.9	L	9 12 „
6	20.659	18.38	75.0	23.09	75.9	.0076	.7759	19.07.1	L	10 12 „
7	20.316	18.45	74.4	23.05	75.4	.0088	.7755	19.06.8	L	11 12 „
8	20.042	18.59	74.1	23.13	75.1	.0111	.7764	19.07.2	L	Midnight.
9	20.453	18.63	74.5	23.19	75.0	.0117	.7770	19.07.3	H	1 12 a.m.
10	20.316	18.52	74.1	23.22	75.0	.0099	.7774	19.07.7	H	2 12 „
11	20.179	18.60	73.5	23.37	74.6	.0112	.7790	19.08.3	H	3 12 „
12	20.042	18.68	73.7	23.37	74.4	.0125	77.90	19.08.0	H	4 12 „
13	19.836	18.52	72.8	23.31	73.8	.0093	.7784	19.08.1	R	5 12 „
14	18.532	18.53	72.2	23.37	73.2	.0101	.7790	19.08.4	R	6 12 „
15	19.493	18.50	71.5	23.50	72.8	.0096	.7805	19.09.0	R	7 12 „
16	20.179	18.61	72.3	23.61	73.0	.0114	.7817	19.09.4	R	8 12 „
17	21.139	18.94	73.5	23.46	73.2	.0168	.7800	19.07.9	L	9 12 „
18	20.728	19.26	75.0	23.10	73.9	.0221	.7761	19.05.6	L	10 12 „
19	19.699	19.43	76.7	22.73	75.0	.0249	.7720	19.03.7	L	11 12 „
20	18.670	19.44	78.0	22.46	76.0	.0251	.7690	19.02.5	L	Noon.
21	18.944	19.36	79.5	22.60	77.3	.0237	.7706	19.03.3	H	1 12 p.m.
22	19.561	19.24	79.5	22.73	77.9	.0218	.7720	19.04.1	H	2 12 „
23	19.287	19.16	79.5	22.75	78.4	.0204	.7722	19.04.4	H	3 12 „

On the 18th, at about 18h., Dip as obtained by Observation was 18°49'4.

DAILY OBSERVATIONS FROM 19TH TO 21ST JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Jan. 19th-Noon.	19'356	18.96	79°0	22.85	78°4	8.0171	2.7733	19°05'3	H	4 12 p. m.
1	20.042	18.82	78.1	23.04	78.0	.0148	.7754	19.06.3	R	5 12 „
2	20.247	18.68	77.1	23.00	77.2	.0125	.7750	19.06.5	R	6 12 „
3	20.247	18.58	76.7	23.04	77.0	.0109	.7754	19.06.9	R	7 12 „
4	20.247	18.60	76.4	22.92	76.5	.0112	.7741	19.06.4	R	8 12 „
5	20.110	18.50	75.3	22.99	76.0	.0096	.7748	19.06.8	L	9 12 „
6	20.316	18.48	74.2	23.11	75.2	.0093	.7762	19.06.9	L	10 12 „
7	19.836	18.59	73.9	23.14	74.8	.0111	.7765	19.07.3	L	11 12 „
8	20.453	18.58	73.1	23.16	74.2	.0109	.7767	19.07.4	L	Midnight.
9	20.110	18.64	72.8	23.29	73.9	.0119	.7781	19.07.7	H	1 12 a. m.
10	19.973	18.63	72.3	23.28	73.5	.0117	.7780	19.07.7	H	2 12 „
11	19.767	18.64	71.5	23.29	73.1	.0119	.7781	19.07.7	H	3 12 „
12	19.356	18.70	71.6	23.37	72.9	.0129	.7790	19.08.0	H	4 12 „
13	19.424	18.72	71.3	23.49	72.4	.0132	.7803	19.08.5	R	5 12 „
14	18.875	18.71	70.5	23.63	72.0	.0131	.7819	19.09.1	R	6 12 „
15	19.699	18.66	69.7	23.72	71.5	.0122	.7829	19.09.6	R	7 12 „
16	20.865	18.90	70.2	23.93	71.4	.0161	.7852	19.10.0	R	8 12 „
17	22.649	19.11	72.0	23.92	71.9	.0196	.7851	19.09.5	L	9 12 „
18	23.198	19.36	73.6	23.43	72.8	.0237	.7797	19.06.9	L	10 12 „
19	22.444	19.47	75.4	22.84	73.9	.0256	.7732	19.04.0	L	11 12 „
20	22.305	19.53	77.0	22.57	75.1	.0265	.7702	19.02.7	L	Noon.
21	21.276	19.42	78.0	22.38	76.0	.0247	.7681	19.02.1	H	1 12 p. m.
22	20.522	19.41	78.5	22.28	76.8	.0246	.7670	19.01.7	H	2 12 „
23	19.699	19.32	78.8	22.40	77.4	.0230	.7689	19.02.5	H	3 12 „
Jan. 20th-Noon.	20.179	19.15	78.3	22.72	77.4	.0202	.7719	19.04.3	H	4 12 „
1	20.316	19.03	76.9	22.85	77.0	.0183	.7733	19.05.2	R	5 12 „
2	20.247	18.98	76.8	22.91	76.0	.0171	.7740	19.05.6	R	6 12 „
3	20.247	18.87	75.5	22.77	75.8	.0157	.7724	19.05.0	R	7 12 „
4	19.699	18.86	75.4	23.02	75.5	.0155	.7752	19.06.1	R	8 12 „
5	20.247	18.60	74.8	23.09	75.0	.0112	.7759	19.07.1	L	9 12 „
6	20.659	18.39	74.3	23.24	74.4	.0078	.7776	19.07.7	L	10 12 „
7	20.453	18.46	73.5	23.26	74.0	.0090	.7778	19.07.6	L	11 12 „
8	20.728	18.61	72.8	23.32	73.5	.0114	.7785	19.08.1	L	Midnight.
9	20.522	18.51	72.5	23.37	73.2	.0096	.7790	19.08.4	H	1 12 a. m.
10	20.247	18.71	72.2	23.34	73.0	.0131	.7787	19.07.9	H	2 12 „
11	19.904	18.61	71.9	23.36	72.7	.0114	.7789	19.08.2	H	3 12 „
12	20.042	18.52	70.7	23.44	72.0	.0099	.7798	19.08.7	H	4 12 „
13	19.081	18.54	70.5	23.53	71.5	.0103	.7808	19.09.1	R	5 12 „
14	19.527	18.26	68.0	23.57	71.3	.0057	.7812	19.09.3	R	6 12 „
15	19.081	18.73	70.2	23.58	71.0	.0134	.7813	19.08.9	R	7 12 „
16	19.150	18.90	70.8	23.83	70.8	.0161	.7841	19.09.6	R	8 12 „
17	19.767	19.22	71.3	23.91	71.0	.0214	.7850	19.09.4	L	9 12 „
18	20.522	19.62	73.0	23.77	72.0	.0279	.7834	19.07.8	L	10 12 „
19	20.247	19.85	75.0	23.42	73.3	.0317	.7796	19.05.7	L	11 12 „
20	19.767	19.76	76.0	23.25	74.1	.0303	.7777	19.05.3	L	Noon.
21	19.630	19.58	76.8	22.98	75.0	.0273	.7747	19.04.6	H	1 12 p. m.
22	19.356	19.43	77.8	22.80	76.0	.0249	.7728	19.04.0	H	2 12 „
23	19.536	19.29	77.9	22.91	76.7	.0225	.7740	19.04.8	H	3 12 „
Jan. 21st-Noon.	20.179	19.12	77.3	23.10	76.7	.0197	.7761	19.05.9	H	4 12 „
1	20.385	18.94	76.3	23.19	76.0	.0168	.7770	19.06.7	R	5 12 „
2	20.316	18.71	75.0	23.63	75.3	.0131	.7819	19.09.1	R	6 12 „
3	20.042	18.67	74.5	23.79	75.0	.0124	.7836	19.09.9	R	7 12 „
4	20.179	18.73	73.5	23.84	74.5	.0134	.7842	19.10.0	R	8 12 „
5	20.659	18.60	73.0	24.00	73.8	.0112	.7860	19.11.0	L	9 12 „
6	20.179	18.56	72.2	24.05	73.2	.0106	.7865	19.11.2	L	10 12 „
7	20.179	18.70	71.8	24.03	72.8	.0129	.7863	19.10.8	L	11 12 „
8	20.042	18.74	71.6	24.15	72.5	.0136	.7876	19.11.2	L	Midnight.
9	19.836	18.85	71.4	24.21	72.1	.0153	.7883	19.11.3	H	1 12 a. m.
10	19.973	18.56	70.5	24.29	71.3	.0106	.7889	19.12.1	H	2 12 „
11	19.973	18.52	70.0	24.35	70.9	.0099	.7898	19.12.6	H	3 12 „

DAILY OBSERVATIONS FROM 21ST TO 24TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Jan. 21st—12	19°836	18.68	69°4	24.34	70°5	8.0125	2.7897	19°12'2	H	4 12 p.m.
13	19.836	18.78	69.4	24.56	70.2	.0142	.7921	19.13.0	R	5 12 „
14	19.218	18.87	69.7	24.41	70.1	.0157	.7905	19.12.1	R	6 12 „
15	19.356	18.64	69.1	24.37	70.0	.0119	.7900	19.12.4	R	7 12 „
16	19.493	18.86	69.8	23.65	69.9	.0155	.7821	19.08.8	R	8 12 „
17	21.415	18.99	70.8	24.59	70.1	.0176	.7924	19.12.6	L	9 12 „
18	21.276	19.08	71.9	24.04	71.2	.0191	.7864	19.10.0	L	10 12 „
19	20.316	19.40	74.4	23.67	72.3	.0244	.7823	19.07.9	L	11 12 „
20	20.042	19.49	76.0	23.64	73.7	.0259	.7820	19.07.5	L	Noon.
21	20.179	19.48	76.6	23.58	74.4	.0257	.7834	19.07.2	H	1 12 p.m.
22	20.385	19.48	77.1	23.49	76.3	.0257	.7803	19.06.8	H	2 12 „
23	20.247	19.48	77.6	23.23	76.0	.0257	.7797	19.06.6	H	3 12 „
Jan. 22nd-Noon.	20.247	19.40	77.5	23.53	76.3	.0244	.7808	19.07.3	H	4 12 „
1	20.110	19.27	76.6	23.58	76.0	.0223	.7813	19.07.7	R	5 12 „
2	20.110	19.18	76.0	23.61	75.5	.0207	.7817	19.08.1	R	6 12 „
3	20.110	19.13	75.6	23.71	75.1	.0199	.7828	19.08.6	R	7 12. „
4	20.110	19.04	75.3	23.69	75.0	.0185	.7825	19.08.6	R	8 12 „
5	19.973	18.80	74.9	23.79	74.5	.0145	.7836	19.09.5	L	9 12 „
6	20.042	18.94	74.3	23.84	74.0	.0168	.7842	19.09.5	L	10 12 „
7	19.836	18.98	73.9	23.93	73.6	.0174	.7852	19.09.9	L	11 12 „
8	19.836	19.05	73.6	23.96	73.4	.0186	.7855	19.09.8	L	Midnight.
9	19.767	19.00	73.3	23.99	73.1	.0178	.7858	19.10.1	H	1 12 a.m.
10	19.767	18.96	73.0	24.03	73.0	.0171	.7863	19.10.3	H	2 12 „
11	19.356	19.02	72.9	24.03	72.9	.0181	.7863	19.10.2	H	3 12 „
12	19.356	19.09	72.8	24.08	72.8	.0193	.7868	19.10.2	H	4 12 „
13	19.287	19.12	72.9	24.06	72.8	.0197	.7866	19.10.0	R	5 12 „
14	18.807	19.17	73.0	24.05	72.9	.0206	.7865	19.09.9	R	6 12 „
15	18.807	19.19	72.9	24.09	73.0	.0209	.7869	19.10.0	R	7 12 „
16	19.218	19.30	73.4	24.12	73.0	.0227	.7873	19.09.9	R	8 12 „
17	19.973	19.55	74.9	24.06	73.3	.0268	.7866	19.09.1	L	9 12 „
18	19.904	19.66	76.4	23.77	74.1	.0286	.7834	19.07.6	L	10 12 „
19	19.150	19.87	77.7	23.43	75.0	.0321	.7797	19.05.8	L	11 12 „
20	18.670	19.66	78.0	23.39	75.6	.0286	.7792	19.05.9	L	Noon.
21	18.807	19.70	78.6	23.33	76.1	.0293	.7786	19.05.7	H	1 12 p.m.
22	18.532	19.54	78.9	23.26	76.7	.0267	.7778	19.05.7	H	2 12 „
23	18.189	19.45	78.8	23.26	77.0	.0252	.7778	19.05.9	H	3 12 „
Jan. 24th-Noon.	19.218	19.84	81.5	23.26	80.2	.0316	.7778	19.05.0	R	4 12 „
1	19.561	19.58	80.5	23.37	79.5	.0273	.7790	19.06.2	R	5 12 „
2	19.630	19.48	79.7	23.34	79.1	.0257	.7787	19.06.2	R	6 12 „
3	19.630	19.43	79.2	23.47	78.9	.0249	.7801	19.08.6	R	7 12 „
4	19.630	19.40	79.0	23.32	78.5	.0244	.7785	19.06.4	R	8 12 „
5	19.493	19.22	78.7	23.18	78.2	.0213	.7769	19.06.1	L	9 12 „
6	19.356	19.31	78.4	23.18	78.0	.0229	.7769	19.05.8	L	10 12 „
7	19.356	19.28	78.1	23.21	77.8	.0223	.7773	19.06.1	L	11 12 „
8	19.356	19.24	78.0	23.26	77.5	.0218	.7778	19.06.3	L	Midnight.
9	19.287	19.27	77.7	23.26	77.5	.0222	.7778	19.06.3	H	1 12 a.m.
10	18.807	19.38	77.6	23.24	77.4	.0240	.7776	19.06.0	H	2 12 „
11	18.807	19.35	77.4	23.27	77.3	.0235	.7779	19.06.1	H	3 12 „
12	18.670	19.45	77.1	23.21	77.1	.0252	.7773	19.05.7	H	4 12 „
13	18.395	19.37	77.1	23.26	77.0	.0239	.7778	19.06.1	R	5 12 „
14	18.327	19.49	77.1	23.25	77.0	.0259	.7777	19.05.8	R	6 12 „
15	17.984	19.54	76.9	23.25	76.9	.0270	.7777	19.05.7	R	7 12 „
16	19.013	19.52	76.3	23.66	76.4	.0263	.7822	19.07.5	R	8 12 „
17	20.590	19.48	76.7	23.67	76.3	.0257	.7823	19.07.6	L	9 12 „
18	20.865	19.53	77.3	23.32	76.6	.0265	.7785	19.06.0	L	10 12 „
19	20.385	19.45	76.3	23.04	76.3	.0257	.7754	19.04.9	L	11 12 „
20	19.356	19.35	74.0	23.20	75.0	.0235	.7772	19.05.8	L	Noon.
21	19.561	19.19	73.9	23.42	74.4	.0209	.7796	19.07.2	H	1 12 p.m.
22	19.356	19.17	74.3	23.43	74.6	.0206	.7797	19.07.3	H	2 12 „
23	19.287	19.09	74.5	23.55	74.9	.0193	.7810	19.08.0	H	3 12 „

On the 21st, at about 19h., Dip as obtained by Observation was 19°17'2.
On the 22nd, at about 20h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 25TH TO 27TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JAN. 25TH-Noon.	19·356	18.85	74·0	23.69	74·8	8.0153	2.7825	19°09'1	H	4 12 p. m.
1	19.493	18.77	74.0	23.20	74.5	.0141	.7772	19.07.1	R	5 12 „
2	20.076	18.93	74.0	23.73	74.5	.0166	.7830	19.09.1	R	6 12 „
3	20.199	18.97	74.2	23.84	74.9	.0173	.7842	19.09.5	R	7 12 „
4	20.110	18.98	74.4	23.72	74.9	.0174	.7829	19.09.0	R	8 12 „
5	20.042	18.90	74.1	23.75	74.6	.0161	.7832	19.09.2	L	9 12 „
6	20.179	18.94	74.0	24.05	74.2	.0168	.7865	19.10.4	L	10 12 „
7	20.247	18.90	74.0	23.86	74.2	.0163	.7844	19.09.7	L	11 12 „
8	20.179	18.84	74.0	23.86	74.1	.0152	.7844	19.09.8	L	Midnight.
9	19.904	18.91	74.0	23.84	74.1	.0163	.7842	19.09.6	H	1 12 a. m.
10	19.699	19.01	73.8	23.92	74.1	.0180	.7851	19.09.8	H	2 12 „
11	19.493	18.86	73.0	23.90	73.8	.0155	.7849	19.09.9	H	3 12 „
12	19.356	19.00	72.8	23.91	73.5	.0178	.7850	19.09.8	H	4 12 „
13	19.150	19.03	72.5	23.99	73.0	.0183	.7858	19.10.1	R	5 12 „
14	19.081	18.96	72.0	23.94	72.9	.0171	.7853	19.10.0	R	6 12 „
15	18.258	19.00	71.2	24.02	72.3	.0178	.7862	19.10.1	R	7 12 „
16	19.287	19.24	71.0	24.30	72.0	.0218	.7893	19.10.8	R	8 12 „
17	19.453	19.49	71.8	24.55	72.2	.0259	.7920	19.11.4	L	9 12 „
18	21.482	19.85	73.0	24.28	72.6	.0317	.7890	19.09.4	L	10 12 „
19	20.385	20.03	74.1	23.92	73.3	.0347	.7851	19.07.5	L	11 12 „
20	20.659	20.05	74.7	23.84	74.0	.0350	.7842	19.07.1	L	Noon.
21	21.002	19.94	75.6	23.87	74.8	.0332	.7845	19.07.6	H	1 12 p. m.
22	20.933	19.69	75.9	23.78	75.1	.0291	.7835	19.07.7	H	2 12 „
23	20.042	19.59	76.0	23.55	75.7	.0275	.7810	19.06.9	H	3 12 „
JAN. 26TH-Noon.	19.561	19.34	75.9	23.62	75.8	.0234	.7818	19.07.8	H	4 12 „
1	19.836	19.17	74.6	23.73	75.0	.0206	.7830	19.08.5	R	5 12 „
2	19.699	19.16	73.8	23.81	74.4	.0204	.7839	19.09.0	R	6 12 „
3	19.287	19.10	73.7	23.84	74.0	.0194	.7842	19.09.2	R	7 12 „
4	19.287	19.04	73.5	23.88	74.0	.0185	.7846	19.09.4	R	8 12 „
5	19.856	18.80	73.3	23.78	73.6	.0145	.7835	19.09.5	L	9 12 „
6	19.699	18.72	72.2	23.84	73.0	.0132	.7842	19.10.0	L	10 12 „
7	19.699	18.65	71.4	23.90	72.4	.0120	.7849	19.10.4	L	11 12 „
8	19.356	18.68	70.6	24.06	71.7	.0125	.7866	19.10.9	L	Midnight.
9	19.218	18.83	69.9	24.13	71.1	.0150	.7874	19.10.9	H	1 12 a. m.
10	19.150	18.72	69.4	24.12	70.5	.0132	.7873	19.11.2	H	2 12 „
11	18.738	18.67	68.9	24.23	70.0	.0124	.7885	19.11.8	H	3 12 „
12	18.738	18.90	68.5	24.30	69.8	.0161	.7893	19.11.6	H	4 12 „
13	18.327	18.94	68.0	24.27	69.0	.0168	.7889	19.11.3	R	5 12 „
14	17.709	18.90	67.5	24.44	68.5	.0161	.7908	19.12.2	R	6 12 „
15	17.984	18.77	66.5	24.53	68.8	.0141	.7918	19.12.9	R	7 12 „
16	19.150	18.98	67.8	24.76	68.5	.0174	.7943	19.13.5	R	8 12 „
17	21.071	19.15	68.4	24.73	68.6	.0202	.7940	19.13.0	L	9 12 „
18	21.551	19.40	70.2	24.40	69.4	.0244	.7904	19.11.0	L	10 12 „
19	20.042	19.61	72.2	23.87	70.7	.0278	.7845	19.08.3	L	11 12 „
20	19.424	19.78	73.7	23.64	72.0	.0306	.7820	19.06.9	L	Noon.
21	19.767	19.41	74.6	23.59	73.0	.0246	.7814	19.07.3	H	1 12 p. m.
22	19.630	19.34	74.9	23.54	73.2	.0234	.7809	19.07.4	H	2 12 „
23	91.287	19.35	75.0	23.53	74.1	.0235	.7808	19.07.3	H	3 12 „
JAN. 27TH-Noon.	19.493	19.24	74.9	23.69	74.2	.0218	.7825	19.08.2	H	4 12 „
1	19.630	19.11	74.0	23.75	73.9	.0196	.7832	19.08.7	R	5 12 „
2	19.630	18.99	73.2	23.92	73.4	.0176	.7851	19.09.8	R	6 12 „
3	19.767	19.01	73.0	23.96	73.2	.0180	.7855	19.10.0	R	7 12 „
4	20.042	18.79	73.0	23.99	73.2	.0144	.7858	19.10.6	R	8 12 „
5	20.316	18.89	72.9	23.98	73.0	.0160	.7857	19.10.3	L	9 12 „
6	20.179	18.83	72.5	24.00	72.5	.0150	.7860	19.10.4	L	10 12 „
7	20.042	18.84	72.1	24.03	72.2	.0152	.7863	19.10.5	L	11 12 „
8	19.904	18.72	72.0	24.08	72.0	.0132	.7868	19.11.0	L	Midnight.
9	19.630	18.70	71.0	24.09	71.4	.0129	.7869	19.10.9	H	1 12 a. m.
10	19.356	18.75	70.1	24.15	70.9	.0137	.7876	19.11.2	H	2 12 „
11	19.013	18.83	69.6	24.18	70.2	.0150	.7879	19.11.1	H	3 12 „

On the 25th, at about 19h., Dip as obtained by Observation was 19°01'9.

DAILY OBSERVATIONS FROM 27TH TO 29TH JANUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Jan. 27th—12	19°0′3	18.94	69°3	24.23	70°0	8.0168	2.7885	19°11′2	H	4 12 a. m.
13	19.081	18.94	69.0	24.26	69.7	.0168	.7888	19.11.3	R	5 12 „
14	18.944	19.10	68.8	24.39	69.5	.0194	.7902	19.11.5	R	6 12 „
15	18.532	19.03	68.0	24.51	69.0	.0183	.7916	19.12.3	R	7 12 „
16	19.699	19.22	68.0	24.76	69.0	.0214	.7943	19.13.0	R	8 12 „
17	20.728	19.63	69.6	24.72	69.3	.0281	.7939	19.11.9	L	9 12 „
18	21.895	19.80	71.9	24.43	70.4	.0309	.7907	19.10.3	L	10 12 „
19	21.551	19.93	73.5	24.07	71.8	.0330	.7869	19.18.4	L	11 12 „
20	20.316	19.93	74.9	24.04	72.9	.0330	.7864	19.08.2	L	Noon.
21	19.630	19.79	76.0	23.69	73.9	.0308	.7825	19.07.1	H	1 12 p. m.
22	20.042	19.57	77.0	23.63	75.0	.0272	.7819	19.07.3	H	2 12 „
23	20.042	19.35	77.2	23.52	75.7	.0235	.7807	19.07.3	H	3 12 „
Jan. 28th-Noon.	19.699	19.18	76.9	23.58	76.0	.0207	.7813	19.07.9	H	4 12 „
1	19.699	19.00	76.0	23.76	75.5	.0178	.7833	19.09.1	R	5 12 „
2	19.973	18.84	75.0	23.85	75.0	.0152	.7843	19.09.8	R	6 12 „
3	19.973	18.73	74.9	23.95	74.7	.0134	.7854	19.10.5	R	7 12 „
4	19.904	18.77	74.7	23.88	74.8	.0141	.7846	19.10.1	R	8 12 „
5	19.561	18.79	74.4	23.88	74.0	.0144	.7846	19.10.1	L	9 12 „
6	19.493	18.83	74.0	24.01	73.7	.0150	.7861	19.10.4	L	10 12 „
7	19.699	18.64	73.3	24.11	73.5	.0119	.7872	19.11.2	L	11 12 „
8	19.699	18.69	72.7	24.13	73.2	.0127	.7874	19.11.2	L	Midnight.
9	19.493	18.72	72.3	24.19	73.0	.0132	.7880	19.11.5	H	1 12 a. m.
10	19.287	18.95	72.2	24.16	72.9	.0169	.7877	19.11.7	H	2 12 „
11	19.356	18.88	72.2	24.12	72.8	.0158	.7873	19.10.8	H	3 12 „
12	19.150	18.98	71.9	24.04	72.3	.0174	.7864	19.10.3	H	4 12 „
13	18.944	19.03	71.5	24.12	72.0	.0183	.7873	19.10.6	R	5 12 „
14	18.532	19.03	71.3	24.17	72.0	.0183	.7878	19.10.8	R	6 12 „
15	18.532	19.14	71.1	24.23	71.5	.0201	.7885	19.10.8	R	7 12 „
16	19.150	19.36	71.7	24.39	71.7	.0237	.7902	19.10.9	R	8 12 „
17	20.659	19.67	73.3	24.25	72.2	.0288	.7887	19.09.7	L	9 12 „
18	21.139	19.90	75.0	23.86	73.3	.0325	.7844	19.07.5	L	10 12 „
19	20.316	20.06	76.6	23.68	74.4	.0352	.7824	19.06.4	L	11 12 „
20	19.904	19.75	78.5	23.23	76.1	.0301	.7775	19.05.2	L	Noon.
21	19.699	19.91	80.0	23.19	77.1	.0327	.7770	19.04.6	H	1 12 p. m.
22	19.013	19.74	80.5	23.15	77.9	.0308	.7755	19.04.4	H	2 12 „
23	18.327	19.40	80.8	23.11	78.6	.0244	.7762	19.05.4	H	3 12 „
Jan. 29th-Noon.	18.327	19.48	80.3	23.31	78.9	.0257	.7784	19.06.0	H	4 12 „
1	18.464	19.24	78.9	23.45	78.2	.0218	.7799	19.07.1	R	5 12 „
2	18.944	19.15	77.3	23.60	77.2	.0202	.7816	19.08.1	R	6 12 „
3	19.356	19.09	77.0	23.70	77.0	.0193	.7827	19.08.7	R	7 12 „
4	19.287	19.06	76.8	23.71	76.9	.0188	.7828	19.08.7	R	8 12 „
5	19.356	18.98	76.5	23.75	76.5	.0174	.7832	19.09.1	L	9 12 „
6	19.424	19.00	76.0	23.75	76.1	.0178	.7832	19.09.0	L	10 12 „
7	19.561	19.04	76.0	23.79	76.0	.0185	.7836	19.09.0	L	11 12 „
8	19.493	19.02	75.5	23.81	75.7	.0181	.7839	19.09.3	L	Midnight.
9	19.356	19.06	75.2	23.82	75.3	.0188	.7840	19.09.2	H	1 12 a. m.
10	19.356	19.15	75.3	23.81	75.3	.0202	.7839	19.09.0	H	2 12 „
11	19.218	19.13	75.1	23.76	75.2	.0199	.7833	19.08.8	H	3 12 „
12	18.807	19.23	75.0	23.69	75.1	.0216	.7825	19.08.2	H	4 12 „
13	18.601	19.27	74.8	23.75	75.0	.0223	.7832	19.08.4	R	5 12 „
14	18.121	19.32	74.8	23.73	75.0	.0230	.7830	19.08.3	R	6 12 „
15	18.258	19.25	74.7	23.75	74.7	.0219	.7832	19.08.4	R	7 12 „
16	19.493	19.48	75.2	23.91	74.7	.0257	.7850	19.08.7	R	8 12 „
17	21.208	19.90	76.3	23.81	75.3	.0325	.7839	19.07.3	L	9 12 „
18	21.758	20.18	78.0	23.54	76.3	.0371	.7809	19.05.6	L	10 12 „
19	20.659	20.44	79.4	22.93	77.8	.0415	.7742	19.02.3	L	11 12 „
20	20.590	20.44	81.0	22.95	78.9	.0415	.7744	19.02.4	L	Noon.
21	21.415	20.17	82.0	23.13	79.7	.0370	.7764	19.03.8	H	1 12 p. m.
22	20.728	19.84	82.2	22.75	80.3	.0316	.7722	19.02.8	H	2 12 „
23	18.670	19.69	82.4	22.64	80.9	.0291	.7710	19.02.8	H	3 12 „

On the 28th, at about 19h. 30m., Dip as obtained by Observation was 19°08′3.
On the 29th, at about 19h. 40m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 31ST JANUARY TO 2ND FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JAN. 31ST-Noon.	20·042	19.33	83°0	22.86	82°0	8.0232	2.7735	19°04′6	H	4 12 p. m.
1	19.081	19.13	82.0	22.95	81.7	.0199	.7745	19.05.4	H	5 12 „
2	19.218	19.12	80.8	23.25	81.0	.0197	.7777	19.06.6	H	6 12 „
3	19.424	19.00	79.9	23.30	80.3	.0178	·7780	19.07.1	H	7 12 „
4	19.424	18.87	79.0	23.35	79.9	.0157	.7788	19.07.5	H	8 12 „
5	19.630	19.00	78.6	23.39	79.3	.0178	.7793	19.07.5	L	9 12 „
6	19.699	19.04	78.2	23.45	79.1	.0185	.7800	19.07.6	L	10 12 „
7	19.767	18.96	78.0	23.51	79.0	.0171	.7805	19.08.1	L	11 12 „
8	19.767	18.94	77.6	23.50	78.6	.0168	.7805	19.08.1	L	Midnight.
9	19.630	19.11	77.2	23.45	78.4	.0196	.7800	19.07.5	R	1 12 a. m.
10	19.699	18.91	77.0	23.39	78.0	.0163	.7793	19.07.7	R	2 12 „
11	19.287	19.10	76.9	23.44	77.5	.0194	.7798	19.07.5	R	3 12 „
12	19.356	19.19	77.0	23.31	77.2	.0209	.7784	19.06.7	R	4 12 „
13	19.150	19.19	76.5	23.21	77.0	.0209	.7773	19.06.3	H	5 12 „
14	19.287	19.25	76.1	23.21	77.0	.0219	.7773	19.06.1	H	6 12 „
15	18.875	19.28	75.9	23.34	76.5	.0224	.7787	19.06.7	H	7 12 „
16	19.561	19.51	76.8	23.41	76.7	.0262	.7795	19.06.5	H	8 12 „
17	21.139	19.90	78.0	23.40	77.2	.0325	.7794	19.05.5	L	9 12 „
18	21.758	20.25	79.7	23.03	78.3	.0383	.7753	19.03.4	L	10 12 „
19	20.247	20.47	81.2	22.68	80.0	.0420	.7714	19.01.2	L	11 12 „
20	18.738	20.45	82.4	22.58	81.0	.0416	.7703	19.00.8	L	Noon.
21	19.424	20.31	83.3	22.81	82.0	.0393	.7729	16.02.2	R	1 12 p. m.
22	20.110	20.16	83.9	22.78	82.6	.0323	.7725	19.03.0	R	2 12 „
23	19.699	19.88	84.0	22.64	83.0	.0322	.7710	19.02.4	R	3 12 „
FEB. 1ST-Noon.	19.630	19.72	83.3	22.84	83.0	.0296	.7732	19.03.5	R	4 12 „
1	19.973	19.57	82.3	22.92	82.4	.0272	.7741	19.04.3	H	5 12 „
2	19.493	19.40	81.0	22.90	81.6	.0244	.7739	19.04.6	H	6 12 „
3	19.836	19.21	80.4	23.07	81.0	.0213	.7757	19.05.8	H	7 12 „
4	19.836	19.08	79.6	23.06	80.5	.0191	.7756	19.05.9	H	8 12 „
5	19.836	19.11	79.2	23.16	80.1	.0196	.7767	19.06.2	L	9 12 „
6	19.836	19.09	79.0	23.18	80.0	.0193	.7769	19.06.3	L	10 12 „
7	19.904	18.94	79.0	23.21	79.7	.0168	.7773	19.06.8	L	11 12 „
8	20.385	18.96	79.0	23.20	79.4	.0171	.7772	19.06.7	L	Midnight.
9	20.247	18.93	78.7	23.22	79.0	.0166	.7774	19.06.8	R	1 12 a. m.
10	19.836	18.87	78.3	23.07	78.8	.0157	.7757	19.06.4	R	2 12 „
11	19.973	18.92	78.0	23.07	78.5	.0164	.7757	19.06.4	R	3 12 „
12	19.699	19.21	77.4	23.09	78.0	.0213	.7759	19.05.8	R	4 12 „
13	19.081	19.14	77.3	23.25	77.9	.0201	.7777	19.06.6	H	5 12 „
14	18.875	19.27	76.9	23.15	77.4	.0223	.7766	19.05.8	H	6 12 „
15	18.738	19.21	76.0	23.26	77.0	.0213	.7778	19.06.5	H	7 12 „
16	18.601	19.80	76.7	23.39	77.0	.0309	.7792	19.05.7	H	8 12 „
17	19.493	20.13	78.3	23.33	77.3	.0363	.7808	19.05.7	L	9 12 „
18	20.110	20.27	79.9	23.37	78.4	.0387	.7790	19.04.6	L	10 12 „
19	19.493	20.31	81.8	23.22	79.8	.0393	.7774	19.03.9	L	11 12 „
20	19.218	20.22	83.4	23.33	81.0	.0378	.7786	19.04.6	L	Noon.
21	20.110	20.06	84.1	23.08	81.9	.0352	.7813	19.06.0	R	1 12 p. m.
22	21.208	20.00	84.7	22.48	82.7	.0342	.7794	19.05.3	R	2 12 „
23	21.071	19.76	84.9	23.15	83.3	.0303	.7766	19.04.8	R	3 12 „
FEB. 2ND-Noon.	20.385	19.62	84.2	22.91	83.6	.0279	.7740	19.04.2	R	4 12 „
1	19.973	19.57	83.1	22.91	83.0	.0272	.7740	19.04.3	H	5 12 „
2	20.042	18.92	81.9	23.06	82.0	.0164	.7756	19.06.3	H	6 12 „
3	20.247	17.96	81.0	23.03	81.3	.0007	.7753	19.07.8	H	7 12 „
4	20.247	18.26	80.4	23.08	80.9	·0057	.7758	19.07.3	H	8 12 „
5	20.316	18.56	80.0	23.13	80.5	.0106	.7764	19.07.2	L	9 12 „
6	20.316	18.49	79.4	23.11	80.2	.0095	.7762	19.07.2	L	10 12 „
7	20.728	18.29	79.2	23.30	79.9	.0062	.7783	19.08.2	L	11 12 „
8	20.385	18.54	79 3	23.14	79.7	.0103	.7765	19.07.4	L	Midnight.
9	21.208	18.40	79.0	23.03	79.2	.0080	.7753	19.06.9	R	1 12 a. m.
10	20.659	18.64	79.1	23.08	79.2	.0119	.7758	19.06.9	R	2 12 „
11	19.630	18.61	79.2	23.03	79.2	.0114	.7753	19.06.9	R	3 12 „

On the 1st, at about 18h. 25m., Dip as obtained by Observation was 19°06′6.

DAILY OBSERVATIONS FROM 2ND TO 4TH FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 2nd—12	19'150	18.72	78°9	23.46	79°0	8.0132	2.7800	19°08'4	R	4 12 a. m.
13	18.944	18.81	78.0	23.58	78.7	.0147	.7813	19.08.6	H	5 12 „
14	18.875	18.82	77.9	23.58	78.6	.0148	.7813	19.08.6	H	6 12 „
15	18.601	18.78	77.5	23.60	78.3	.0142	.7816	19.08.9	H	7 12 „
16	19.218	18.91	78.0	23.68	78.4	.0163	.7824	19.08.9	H	8 12 „
17	19.561	19.44	79.3	23.57	78.9	.0251	.7812	19.07.2	L	9 12 „
18	20.042	19.75	80.9	23.44	79.4	.0301	.7798	19.06.1	L	10 12 „
19	19.424	20.06	82.2	23.16	80.5	.0352	.7767	19.04.2	L	11 12 „
20	18.601	19.94	83.9	23.00	82.0	.0335	.7750	19.03.8	L	Noon.
21	19.218	19.66	84.0	23.33	82.0	.0286	.7786	19.05.7	R	1 12 p. m.
22	20.316	19.21	84.0	23.39	82.9	.0213	.7792	19.07.0	R	2 12 „
23	19.424	18.86	83.9	23.19	83.0	.0155	.7770	19.06.8	R	3 12 „
Feb. 3rd—Noon.	19.699	18.75	83.2	23.29	83.0	.0137	.7781	19.07.5	R	4 12 „
1	21.002	18.43	82.2	23.48	82·8	.0085	.7802	19.08.5	H	5 12 „
2	21.276	18.27	81.9	23.40	82.0	.0059	.7794	19.08.6	H	6 12 „
3	20.590	18.12	81.0	23.34	81.4	.0033	.7787	19.08.8	H	7 12 „
4	20.728	18.13	80.5	23.43	81.0	.0035	.7797	19.09.1	H	8 12 „
5	20.933	18.19	80.0	23.55	80.4	.0045	.7810	19.09.4	L	9 12 „
6	20.796	18.05	79.6	23.56	80.0	.0022	.7811	19.09.8	L	10 12 „
7	20.453	18.23	79.1	23.47	79.5	.0052	.7801	19.09.0	L	11 12 „
8	20.110	18.41	79.0	23.56	79.4	.0082	.7811	19.09.1	L	Midnight.
9	19.561	18.63	78.8	23.63	79.2	.0117	.7819	19.09.2	R	1 12 a. m.
10	18.944	18.82	78.8	23.22	79.1	.0148	.7774	19.07.0	R	2 12 „
11	19.630	18.70	78.4	23.27	79.1	.0129	.7779	19.07.5	R	3 12 „
12	18.327	19.04	78.2	23.22	79.0	.0185	.7774	19.06.5	R	4 12 „
13	19.356	18.75	77.5	23.44	78.5	.0137	.7798	19.08.2	H	5 12 „
14	19.081	18.68	76.5	23.41	77.8	.0125	.7795	19.08.2	H	6 12 „
15	19.081	18.78	76.5	23.40	77.2	.0142	.7794	19.08.0	H	7 12 „
16	19.767	18.95	77.0	23.54	77.3	.0169	.7809	19.08.2	H	8 12 „
17	20.865	19.05	77.6	23.58	77.6	.0186	.7813	19.08.1	L	9 12 „
18	21.071	19.26	79.4	23.45	78.3	.0221	.7799	19.07.1	L	10 12 „
19	20.933	19.26	80.1	23·20	79.0	.0221	.7772	19.06.0	L	11 12 „
20	20.316	19.42	80 9	23.01	79.6	.0247	.7751	19.04.9	L	Noon.
21	20.865	19.08	81.0	23.13	80.0	.0191	.7764	19.06 1	R	1 12 p. m.
22	20.728	19.16	81.1	22.97	80.5	.0204	.7746	19.05.4	R	2 12 „
23	20.110	18.97	81.3	22.89	81.0	.0173	.7737	19.05.5	R	3 12 „
Feb. 4th—Noon.	19.699	18.75	80.9	23.01	80.9	.0137	.7751	19.06.4	R	4 12 „
1	19.699	18.59	79.6	23.30	80.0	.0111	.7783	19.08.0	H	5 12 „
2	19.767	18.46	78.8	23.39	79.6	.0090	.7792	19.08.1	H	6 12 „
3	19.973	18.41	78.3	23.51	79.0	.0082	.7806	19.08.9	H	7 12 „
4	20.522	18.18	78.0	23.59	78.9	.0043	.7814	19.09.7	H	8 12 „
5	20.247	18.44	77.8	23.45	78.4	.0087	.7799	19.08.4	L	9 12 „
6	19.973	18.33	77·5	23.44	78.0	.0068	.7798	19.08.7	L	10 12 „
7	19.699	18.60	77.1	23.47	77.8	.0112	.7801	19.08.7	L	11 12 „
8	19.973	18.73	76.6	23.67	77.5	.0134	.7823	19.09.3	L	Midnight.
9	20.796	18.57	76.1	23·66	77.0	.0108	.7822	19.09.5	R	1 12 a. m.
10	20.316	18.89	76.2	23.81	77.0	.0160	.7839	19.09.5	R	2 12 „
11	19.767	18.81	76.2	23.89	77.0	.0147	.7847	19.10.0	R	3 12 „
12	19.567	18.67	75.7	23.90	76.5	.0124	.7849	19.10.4	R	4 12 „
13	19.287	18.64	75.2	23.81	76.1	.0119	.7839	19.10.0	H	5 12 „
14	18.875	18.70	75.0	23.87	76.0	.0129	.7845	19.10.2	H	6 12 „
15	18.670	18.86	74.5	23.87	75.6	.0155	.7845	19.09.8	H	7 12 „
16	19.356	19.03	74.6	24.01	75.5	.0183	.7861	19.10.1	H	8 12 „
17	20.110	19.42	75.9	24.11	75.9	.0247	.7872	19.09.5	L	9 12 „
18	20.316	19.65	77.0	23·97	76.4	.0284	.7856	19.08.7	L	10 12 „
19	19.493	19.81	78.0	23.77	77.1	.0313	.7834	19.07.4	L	11 12 „
20	19·150	19.63	78.8	23.82	77.8	.0281	.7841	19.08.1	L	Noon.
21	19 287	19.73	79.0	23.76	78.1	.0298	.7833	19.07.5	R	1 12 p. m.
22	19.493	19.44	78.9	23.76	78.5	.0251	.7833	19.08.1	R	2 12 „
23	20.042	19.23	78.7	23.71	78.5	.0216	.7828	19.08.3	R	3 12 „

On the 4th, at about 18h. 35m., Dip as obtained by Observation was 19°06'2.

DAILY OBSERVATIONS FROM 5TH TO 8TH FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 5th-Noon.	19·767	19.01	78°0	23.71	78°5	8.0180	2.7828	19°08'9	R	4 12 p. m.
1	20.042	18.73	76.3	23.80	78.1	.0134	.7838	19.09.9	H	5 12 „
2	19.561	18.59	75·1	23.82	76.2	.0111	.7840	19.10.3	H	6 12 „
3	19·973	18·50	74.8	24.08	75.9	.0096	.7868	19.11.4	H	7 12 „
4	19.424	18.65	74.8	24.07	75.8	.0120	.7867	19.11.1	H	8 12 „
5	19.356	18.68	74.7	24.05	75.6	.0125	.7865	19.10.9	L	9 12 „
6	19.287	18.63	74.7	24.12	75.5	.0117	.7873	19.11.3	L	10 12 „
7	19.287	18.59	74.5	24.16	75.2	.0111	.7877	19.11.7	L	11 12 „
8	19.287	18.65	74·4	24.15	75.1	.0120	.7876	19.11.4	L	Midnight.
9	19.150	18.84	74·2	24.10	75.0	.0153	.7871	19.10.8	R	1 12 a. m.
10	19.081	18.85	74.2	24.20	75.0	.0153	.7882	19.11.2	R	2 12 „
11	18.944	18.69	74.2	24.19	75.0	.0127	.7880	19.11.5	R	3 12 „
12	19.289	18·73	74.2	24.20	75.0	.0134	.7882	19.11.5	R	4 12 „
13	19.150	18.81	74.0	24.31	74.6	.0147	.7894	19.11.7	H	5 12 „
14	19.081	18.75	73.8	24.29	74.4	.0137	.7891	19.11.8	H	6 12 „
15	19.081	18.88	73.7	24.30	74.1	.0158	.7893	19.11.6	H	7 12 „
16	20.110	19.03	74.3	24.47	74.1	.0183	.7911	19.12.1	H	8 12 „
17	20.659	19.33	75.0	24.42	74.5	.0242	.7906	19.11.1	L	9 12 „
18	20.590	19.63	76.6	24.18	75.4	.0281	.7879	19.09.5	L	10 12 „
19	19.973	20.71	78.0	23.68	76.5	.0295	.7824	19.07.1	L	11 12 „
20	19.904	19.67	78.6	23.79	77.0	.0288	.7836	19.07.7	L	Noon.
21	20.385	19.43	78.3	23.78	77.4	.0249	.7835	19.08.2	R	1 12 p. m.
22	19.836	19.26	78.4	23.53	78.0	.0221	.7808	19.07.5	R	2 12 „
23	19.081	19.16	78.1	25.54	78.0	.0204	.7809	19.07.8	R	3 12 „
Feb. 7th-Noon.	21.002	18.99	77.0	23.91	77.0	.0176	.7850	19.09.8	R	4 12 „
1	19.767	18.98	76.2	23.75	76.5	·0174	.7832	19.09·1	R	5 12 „
2	19.561	18.82	75.6	24.04	76·0	.0148	.7864	19.10.5	R	6 12 „
3	19.836	18.86	75.2	24.12	75.8	.0155	.7873	19.10.8	H	7 12 „
4	19.699	18.80	75·0	24.11	75.3	.0145	·7872	19.10.8	H	8 12 „
5	19.561	18.84	74.8	24.10	75.0	.0152	.7871	19.10.8	L	9 12 „
6	19.904	18.65	73.8	24.19	74.4	.0120	.7880	19.11.6	L	10 12 „
7	20.110	18.66	73.0	24.31	73.7	.0122	.7894	19.12.1	L	11 12 „
8	20.042	18.76	72.1	24.43	73.2	.0139	.7907	19.12.5	L	Midnight.
9	19·767	18.70	71.1	24.47	72.7	.0129	.7911	19.12.7	R	1 12 a. m.
10	19.287	18.94	71.1	24.32	72.2	.0168	.7895	19.11.6	R	2 12 „
11	19.973	18.70	70.9	24.36	72.0	.0129	.7899	19.12.2	R	3 12 „
12	19.630	18.88	70.7	24.47	71.9	.0158	.7911	19.12.3	R	4 12 „
13	19.767	18.79	69.8	24.59	71.2	.0144	.7924	19.13.1	H	5 12 „
14	18.395	18.92	69.5	24.60	70.9	.0164	.7926	19.12.9	H	6 12 „
15	18.875	19.04	70.3	24.73	70.9	.0185	.7940	19.13.1	H	7 12 „
16	19.493	18.86	70.9	24.81	71.0	.0155	.7949	19.13.8	H	8 12 „
17	19.767	19.26	72.2	24.75	71.6	.0221	.7942	19.12.7	L	9 12 „
18	20.042	19.40	73.7	24.65	72.4	.0244	.7931	19.12.1	L	10 12 „
19	19.904	19.51	75.3	24.35	73.7	.0262	.7898	19.10.5	L	11 12 „
20	19.630	19.51	76.5	24.29	74.8	.0262	.7891	19.10.2	L	Noon.
21	19.630	19.48	77.7	24.27	76.0	.0257	.7889	19.10.1	R	1 12 p. m.
22	20.110	19.39	78.2	24.11	77·0	.0242	.7872	19.09.7	R	2 12 „
23	20.042	19.41	79.0	23.84	77.9	.0246	.7842	19.08.4	R	3 12 „
Feb. 8th-Noon.	19.836	19.33	79.1	23.70	78.2	.0232	.7827	19.08.2	R	4 12 „
1	19.356	19.14	78.3	23.71	78.0	.0201	.7828	19·08.6	H	5 12 „
2	19.356	19.11	77·4	23.90	77.3	.0196	.7849	19.09.4	H	6 12 „
3	19.699	19.05	77.0	24.03	77.0	.0186	.7863	19.10.0	H	7 12 „
4	19.904	18.95	76.7	24.05	76.6	.0169	.7865	19.10.4	H	8 12 „
5	19.836	18.85	76.0	24.04	76.2	.0153	.7864	19.10.5	L	9 12 „
6	19.904	18.97	75.8	24.06	76.0	.0173	.7866	19.10.4	L	10 12 „
7	19.836	18·71	75.6	24.07	75.8	.0131	.7867	19.11.0	L	11 12 „
8	19.699	18.57	74.8	24.20	75.2	.0108	.7882	19.11.8	L	Midnight.
9	20.247	18.53	74.0	24.19	74·5	.0101	.7886	19.11.9	R	1 12 a. m.
10	19.561	18.90	73.9	24.13	74.2	.0161	.7874	19.10.8	R	2 12 „
11	19.493	18.76	73.5	24.08	74.0	.0139	.7868	19.10.9	R	3 12 „

DAILY OBSERVATIONS FROM 8TH TO 10TH FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 8th—12	19°424	18.68	72°9	24·00	73°5	8.0125	2.7860	19°10′7	R	4 12 a. m.
13	19.356	18.69	72.0	24.16	73.1	.0127	.7877	19.11.4	H	5 12 „
14	18.875	18.86	72.0	24.22	72.9	.0155	.7884	19.11.2	H	6 12 „
15	19.218	19.01	72.3	24·23	72.8	.0180	.7885	19.11.1	H	7 12 „
16	19.218	19.09	72.7	24·28	72.8	.0193	.7890	19.11.1	H	8 12 „
17	19.493	19.49	73.4	24.24	73.1	.0259	.7886	19.10.0	L	9 12 „
18	19.493	19.87	75.6	23·95	74.3	.0321	.7852	19.07.9	L	10 12 „
19	19.218	20.05	77.7	23.77	75.7	.0350	.7834	19.06.8	L	11 12 „
20	18.464	19.98	79.4	23.61	77.0	.0338	.7817	19.06.4	L	Noon.
21	18.327	19.73	79.3	23·69	78.0	.0298	.7825	19.07.2	R	1 12 p. m.
22	19.013	19.58	79.9	23.66	78.5	.0273	.7822	19.07.4	R	2 12 „
23	19.218	19.42	79.9	23.57	79.0	.0247	.7812	19.07.2	R	3 12 „
Feb. 9th-Noon.	19.257	19.28	79.8	23.76	79.2	.0224	.7833	19 08.5	R	4 12 „
1	19.630	19.17	78·7	23.82	78.8	.0206	.7840	19.09.0	H	5 12 „
2	19.424	19.03	77·5	23·98	78.0	.0183	.7855	19·10.0	H	6 12 „
3	19.561	18.95	77.0	24.06	77.3	.0169	.7866	19.10.4	H	7 12 „
4	19.699	18.87	76.9	24.09	77.1	.0157	.7869	19.10.6	H	8 12 „
5	19.767	18.80	76.9	24.09	77.0	.0145	.7869	19.10.7	L	9 12 „
6	19.630	19.02	76·5	24.10	76.6	.0181	.7871	19.10.5	L	10 12 „
7	19.836	18.85	76·0	24.17	76.4	.0143	.7878	19.11.3	L	11 12 „
8	20.110	18.76	75.3	24.18	76.0	.0139	.7879	19.11·3	L	Midnight.
9	20.042	18.68	74.9	24·19	75.5	.0125	.7880	19.11.5	R	1 12 a. m.
10	19.767	18.65	74.7	24.25	75.2	.0120	.7887	19.11.9	R	2 12 „
11	19.493	18.75	74·1	24.26	75.0	.0137	.7888	19.11.7	R	3 12 „
12	19.424	18.61	73.9	24.14	74.3	.0114	.7875	19.11.6	R	4 12 „
13	19.356	18·59	73.1	24·17	74.0	.0111	.7878	19.11.7	H	5 12 „
14	19.081	18.66	73·0	24.23	73.6	.0122	.7885	19.11.8	H	6 12 „
15	18.738	18.80	72.6	24.33	73.3	.0145	.7896	19.11.8	H	7 12 „
16	20.385	18·90	72.0	24.56	73.0	.0161	.7921	19.12.7	H	8 12 „
17	21.208	19.27	73·5	24.56	73.6	.0223	.7921	19.11.9	L	9 12 „
18	21.482	19.73	75.4	24.31	74.4	.0298	.7894	19.09.8	L	10 12 „
19	20.933	20.01	77·4	24.05	75.8	.0344	.7865	19.08.2	L	11 12 „
20	20.385	20.15	79·3	23.81	77.0	.0366	.7839	19 06.8	L	Noon.
21	20.385	19.91	79.8	23.94	78.0	.0327	.7853	19.07.9	R	1 12 p. m.
22	19.973	19.66	80.0	23.82	79.0	.0286	.7840	19.07.9	R	2 12 „
23	19.973	19.35	80.0	23.81	79.2	.0235	.7839	19.08.5	R	3 12 „
Feb. 10th-Noon.	19.767	19.30	79.9	23.78	79.3	.0227	.7835	19.08.5	R	4 12 „
1	19.904	19.24	79.0	23.87	79.0	.0218	.7845	19.09.1	H	5 12 „
2	19.767	19.11	78.1	23.96	78.6	.0196	.7855	19.09.7	H	6 12 „
3	19.767	19.05	77.9	24.02	78.0	.0186	.7862	19.09.9	H	7 12 „
4	19.699	18.98	77.5	24.03	77.5	.0174	.7863	19.10.3	H	8 12 „
5	19.630	18·89	77.0	24.00	77.1	.0160	.7860	19.10.3	L	9 12 „
6	19.904	18.95	76.6	24·12	76.8	.0169	.7893	19.10.7	L	10 12 „
7	19.904	18.82	76.1	24.18	76.4	.0148	.7879	19.11.1	L	11 12 „
8	19.767	18.97	76.3	24.19	76.3	.0173	.7880	19.11.0	L	Midnight.
9	19.493	18.97	76.2	24.22	76.0	.0173	.7884	19.11.1	R	1 12 a. m.
10	19.218	19.06	76.0	24.19	76.0	.0188	.7880	19.10.7	R	2 12 „
11	18.670	19.13	75.9	24.20	76.0	.0199	.7882	19.10.6	R	3 12 „
12	18.807	18.96	75.2	24.29	75.2	.0171	.7891	19.11.4	R	4 12 „
13	18.395	18.89	74.5	24.32	75.0	.0160	.7895	19.11.7	H	5 12 „
14	18.738	18.97	73.5	24.48	74.4	.0173	.7912	19.12.3	H	6 12 „
15	18.875	19.03	73.0	24.52	74.0	.0183	.7917	19.12.4	H	7 12 „
16	19.218	19.14	73.2	24.54	73.7	.0201	.7919	19.12.1	H	8 12 „
17	20.110	19.44	74.9	24.43	74.4	.0251	.7907	19.11.0	L	9 12 „
18	20.522	19.70	76.4	24·37	75.3	.0293	.7900	19.10.2	L	10 12 „
19	20.042	19.79	78.0	24.15	76.5	.0308	.7876	19.09.0	L	11 12 „
20	19.630	19.73	79.0	24·12	77.3	.0298	.7872	19.08.9	L	Noon.
21	19.904	19·49	79.2	24.12	78.2	.0259	.7873	19.09.5	R	1 12 p. m.
22	20.110	19.25	79.4	24·07	78.9	.0219	.7867	19.09.8	R	2 12 „
23	20.042	19.14	79.5	24·02	79.0	.0201	.7862	19.09.8	R	3 12 „

On the 8th, at about 18h. 15m., Dip as obtained by Observation was 19°0′50.

DAILY OBSERVATIONS FROM 11TH TO 14TH FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 11th-Noon.	19·767	19.07	79°1	24.07	79°0	8.0190	2.7867	19°10′2	R	4 12 p. m.
1	19.493	19.05	78.3	24.14	78.6	.0186	.7875	19.10.5	H	5 12 ,,
2	19.699	18.90	77.2	24.28	77.8	.0161	.7890	19.11.5	H	6 12 ,,
3	19.836	18.80	76.7	24.31	77.2	.0145	.7894	19.11.7	H	7 12 ,,
4	19.904	18.84	76.5	24·31	77.0	.0152	.7894	19.11.7	H	8 12 ,,
5	19.836	18.73	76.2	24.28	76.7	.0134	.7890	19.11.9	L	9 12 ,,
6	19.493	18.80	76.0	24.34	76.4	.0145	.7897	19.11.9	L	10 12 ,,
7	19.424	18.89	75.9	24·37	76.1	.0160	.7900	19.11.9	L	11 12 ,,
8	19.561	18.88	75.7	24.38	76.0	.0158	.7901	19.11.9	L	Midnight.
9	19.630	18.95	75.0	24.47	75.7	.0169	.7911	19.12.2	R	1 12 a. m.
10	19.973	19.05	74.9	24.48	75.3	.0186	.7912	19.11.9	R	2 12 ,,
11	19.699	18.97	74.6	24.55	75.0	.0173	.7920	19·12.6	R	3 12 ,,
12	19.013	19.03	74.3	24.57	74.9	.0183	.7922	19.12.5	R	4 12 ,,
13	18.738	18.96	73·9	24.54	74.5	.0171	.7919	19.12.5	H	5 12 ,,
14	18.670	19.05	73.6	24.53	74.4	.0186	.7918	19.12.2	H	6 12 ,,
15	18.875	19.23	73.5	24.58	74.0	.0216	.7923	19.12.0	H	7 12 ,,
16	19.699	19.42	73.8	24.77	74.0	·0237	.7944	19.12.6	H	8 12 ,,
17	20.385	19.77	75.2	24.69	74.6	.0305	.7935	19.11.4	L	9 12 ,,
18	21.208	19.97	76.9	24.53	75.6	.0337.	.7915	19.10.3	L	10 12 ,,
19	20.796	19.94	78.0	24.11	76.4	.0332	.7872	19.08.5	L	11 12 ,,
20	19.767	19.90	78.4	23.96	76.9	.0325	.7855	19.08.0	L	Noon.
21	19.218	19.89	79.0	24.04	77.9	.0324	.7864	19.08.3	R	1 12 p. m.
22	19.287	19.68	79.2	24·14	78.5	.0289	.7875	19.09.2	R	2 12 ,,
23	19.493	19.51	79·4	24.12	79.0	.0262	.7873	19.09.5	R	3 12 ,,
Feb. 12th-Noon.	20.042	19.36	79.0	24.12	79.0	.0237	.7873	19.09.8	R	4 12 ,,
1	19.218	19.22	78.0	23.96	78.8	·0214	.7855	19.09.6	H	5 12 ,,
2	18·875	19.19	77.2	24.14	78.0	.0209	.7875	19.10.3	H	6 12 ,,
3	19.493	19.11	76.9	24.24	77.3	.0196	.7886	19.10.8	H	7 12 ,,
4	19.493	19.03	76.6	24.25	77.0	.0183	.7887	19.11.2	H	8 12 ,,
5	19.356	18.99	76.3	24.26	76.8	.0176	.7888	19.11.2	L	9 12 ,,
6	19.218	19.05	75.8	24.24	76.4	.0186	.7886	19.10.9	L	10 12 ,,
7	19.287	18.99	75.1	24·43	75.9	.0176	.7907	19.12.0	L	11 12 ,,
8	19·356	18.98	74.6	24.39	75.5	.0174	.7902	19.11.8	L	Midnight.
9	19.561	18.96	73.9	24.43	75.0	.0171	.7907	19.12.1	R	1 12 a. m.
10	19.973	18.88	73.7	24·43	74.9	.0158	.7907	19.12.2	R	2 12 ,,
11	19·424	18.64	73.0	24.53	74.3	.0119	.7918	19.13.1	R	3 12 ,,
12	20.316	19.20	73.0	24.65	74·1	.0211	.7931	19.12.5	R	4 12 ,,
13	19·561	18.84	72.4	24.51	73·8	.0152	.7916	19.12.6	H	5 12 ,,
14	19.218	19.00	72.3	24.56	73.6	.0178	.7921	19.12.5	H	6 12 ,,
15	19.013	19.07	71.8	24.54	73.0	.0190	.7919	19.12.2	H	7 12 ,,
16	20.179	19.23	71.9	24.65	73.0	.0216	.7931	19.12.3	H	8 12 ,,
17	20.385	19.61	73.6	24.26	73.4	.0278	.7888	19.09.9	L	9 12 ,,
18	19.767	19.92	75.9	24.02	74.7	.0328	.7862	19.08.1	L	10 12 ,,
19	19.493	19.94	77.9	23.88	76.0	.0332	.7846	19.07.6	L	11 12 ,,
20	19.424	19.91	78.8	23.92	76.8	.0327	.7851	19.07.8	L	Noon.
21	19.287	19.80	79.5	24.13	78.0	.0309	.7874	19.08.9	R	1 12 p. m.
22	19·013	19.71	80.3	24.07	79.0	.0295	.7867	19.08.8	R	2 12 ,,
23	18.738	19.39	80.9	23.88	79.6	.0259	.7846	19.08.5	R	3 12 ,,
Feb. 14th-Noon.	20·316	18.87	80·0	23.93	79.4	.0157	.7852	19.10.0	L	4 12 ,,
1	19.493	18.88	78.9	23.88	78.8	.0158	.7846	19.09.8	H	5 12 ,,
2	19.630	18.80	77.9	24.14	78.0	.0145	·7875	19.11.1	H	6 12 ,,
3	20.316	18.72	77.2	24.30	77.2	.0132	.7893	19.12.0	H	7 12 ,,
4	20.179	18.77	76.9	24.29	77.0	.0141	.7891	19·11.8	H	8 12 ,,
5	20.247	18.71	76.6	24.35	76.8	.0131	.7898	19.12.2	L	9 12 ,,
6	20.179	18.58	75.7	24.32	76.3	.0109	.7895	19.12.4	L	10 12 ,,
7	20.316	18.61	75.3	24.36	76.1	.0114	.7899	19.12.5	L	11 12 ,,
8	20.522	18.72	75.2	24.40	76.0	.0132	.7904	19.12.4	L	Midnight.
9	20.316	18.69	75.0	24.39	75.5	.0127	.7902	19.12.3	R	1 12 a. m.
10	20.659	18·89	75.0	24.47	75.4	.0160	.7911	19.12.3	R	2 12 ,,
11	21.415	18.79	74·0	24.35	75.0	.0144	.7898	19.12·1	R	3 12 ,,

On the 11th, at about 19h., Dip as obtained by Observation was 19°05′9.
On the 12th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 14TH TO 16TH FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 14th—12	20·385	18.50	73°9	24.25	75°0	8.0096	2.7887	19°12′2	R	4 12 a. m.
13	20.042	18.63	73.7	24.20	75.0	.0117	.7882	19.11.6	L	5 12 „
14	19.973	18.93	74.0	24.32	74.8	.0166	.7895	19.11.6	L	6 12 „
15	19.150	19.38	74.2	24·31	74.3	.0240	.7894	19.10.6	L	7 12 „
16	20.042	19.03	74.7	24·24	74.5	.0183	.7886	19.11.1	L	8 12 „
17	20.316	19.09	75.5	24.11	74.9	.0193	.7872	19.10.3	H	9 12 „
18	20.453	19.28	76.9	24.09	75.7	.0224	.7869	19.09.8	H	10 12 „
19	20.522	19.74	78.5	23.90	76.6	.0300	.7849	19.08.1	H	11 12 „
20	19.630	19.87	79.9	23.89	77.9	.0321	.7847	19.07.8	H	Noon.
21	20.042	19.67	80.9	23.97	79.0	.0288	.7856	19.08.5	R	1 12 p. m.
22	20.110	19.50	81.8	23.89	80.0	.0260	.7847	19.08.6	R	2 12 „
23	20.110	19.42	82.2	23.80	80.7	.0247	.7839	19.08.3	R	3 12 „
Feb. 15th-Noon.	20.659	19.27	82.0	23.88	81.0	.0223	.7846	19.09.0	R	4 12 „
1	20.316	19.04	81.0	23.79	80.3	.0185	.7836	19.09.0	L	5 12 „
2	19.356	18.89	79.5	23.84	79.7	.0160	.7842	19.09.6	L	6 12 „
3	19.630	18.68	78.9	23.93	79.0	.0125	.7852	19.10.4	L	7 12 „
4	20.042	17.93	78.1	24.05	78.4	.0002	.7865	19.12.2	L	8 12 „
5	21.208	17.35	77.4	24.09	77.9	7.9907	.7869	19.13.9	H	9 12 „
6	20.796	17.49	77.0	24.09	77.7	.9931	.7869	19.13.6	H	10 12 „
7	20.865	17.90	76.6	24.12	77.2	.9997	.7873	19.12.5	H	11 12 „
8	20.247	18.74	77.0	24.13	77.0	8.0136	.7874	19.11.1	H	Midnight.
9	20.865	18·22	76.9	24.21	77.0	.0050	.7883	19.12.2	R	1 12 a. m.
10	20.659	18.29	76.2	24.10	76.5	.0062	.7871	19.11.6	R	2 12 „
11	20.316	18.57	75.9	24.14	76.2	.0108	.7875	19.11.6	R	3 12 „
12	20.728	18.66	74.4	24.19	75.5	.0122	.7880	19.11.6	R	4 12 „
13	21.345	18.46	74.0	24.24	75.2	.0090	.7886	19.11.8	H	5 12 „
14	20.865	18.69	74.6	24.27	75.0	.0127	.7889	19.11.8	H	6 12 „
15	20.042	18.86	74.8	24.07	74.9	.0155	.7867	19.10.6	H	7 12 „
16	20.385	18.97	74.8	24.07	74.9	.0173	.7867	19.10.5	H	8 12 „
17	20.247	18.99	75.8	23.98	75.3	.0176	.7857	19.10.1	L	9 12 „
18	19.904	19.09	76.7	23.84	76.2	.0193	.7842	19.09.2	L	10 12 „
19	19.013	19.36	79.6	23.81	77.7	.0237	.7839	19.08.5	L	11 12 „
20	18.807	19.39	80.5	23.84	78.6	.0242	.7842	19.08.6	L	Noon.
21	18.464	19.49	81.5	23.85	79.5	.0259	.7843	19.08.4	R	1 12 p. m.
22	19.699	19.26	82.1	23.89	80.4	.0221	.7847	19.09.1	R	2 12 „
23	20.247	19.10	82.4	23.79	81.2	.0194	.7836	19.09.0	R	3 12 „
Feb. 16th-Noon.	20.316	18.79	81.9	23.75	81.5	.0144	.7832	19.09.5	C	4 12 „
1	20.453	18.48	80.5	23.71	80.4	.0093	.7828	19.09.6	H	5 12 „
2	20.316	18.13	79.3	23.79	79.8	.0035	.7836	19.10.6	H	6 12 „
3	20.933	18.32	78.7	23.92	79.0	.0066	.7851	19.10.8	H	7 12 „
4	20.522	18.10	78.1	23.92	78.5	.0030	.7851	19.11.3	H	8 12 „
5	21.345	17.92	77.7	23.98	78.0	.0000	.7857	19.12.0	L	9 12 „
6	21.345	17.88	77.0	23.98	77.5	7.9994	.7857	19.12.5	L	10 12 „
7	21.071	17.89	76·5	24.04	77.0	.9996	.7864	19.12.1	L	11 12 „
8	21.071	18.25	76.4	24.06	76.9	8.0055	.7866	19.11.4	L	Midnight.
9	20.796	18.65	76·0	24.08	76.8	.0120	.7868	19.11.1	C	1 12 a. m.
10	21.482	18·24	75.6	24.05	76.3	.0054	.7865	19.11.5	C	2 12 „
11	21.242	18.45	75.0	23.98	76.0	.0088	.7857	19.10.8	C	3 12 „
12	19.836	18.35	74.9	24.04	75.4	.0071	.7864	19.11.2	C	4 12 „
13	20.179	18.44	74.8	24.18	75.0	.0087	.7879	19.11.5	H	5 12 „
14	18.944	18.67	74.6	24.09	74.9	.0124	.7869	19.11.1	H	6 12 „
15	20.179	18.59	74.0	24.38	74.3	.0111	.7901	19.12.6	H	7 12 „
16	19.904	18·30	74.6	24.09	74.5	·0063	.7869	19.11.5	H	8 12 „
17	19.767	18.39	76.0	23.81	75.2	.0078	.7839	19.10.2	L	9 12 „
18	19.081	18.48	77.8	23.54	76.4	.0093	.7809	19.08.8	L	10 12 „
19	17.641	18.71	79.7	23.35	77.8	.0131	.7788	19.07.9	L	11 12 „
20	16.955	19.22	81.6	23·27	79.5	.0214	.7779	19.06.5	L	Noon.
21	17.641	19.23	82.9	23.31	81.1	.0216	.7784	19.06.5	C	1 12 p. m.
22	19.150	19.22	84·6	23.45	82.3	.0214	.7799	19.07.3	C	2 12 „
23	18.944	18.83	84.8	23.43	82.6	.0150	.7797	19.08.0	C	3 12 „

On the 15th, at about 19h., Dip as obtained by Observation was 18°58′7.

DAILY OBSERVATIONS FROM 17TH TO 19TH FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 17th-Noon.	19·493	18.66	83°9	23.58	82°5	8.0122	2.7813	19°09'0	C	4 12 p. m.
1	19.561	18.49	82.3	23.71	81.4	.0095	.7828	19.09.9	H	5 12 „
2	20.316	17.82	80.8	23.78	80.4	7.9984	.7835	19.11.8	H	6 12 „
3	21.139	17.65	79.9	23.88	79.8	.9958	.7846	19.12.4	H	7 12 „
4	21.002	17.97	79.0	23.87	79.1	8.0009	.7845	19.11.4	H	8 12 „
5	20.659	17.99	78.7	23.95	79.0	.0012	.7854	19.11.7	L	9 12 „
6	20.659	18.00	78.1	23.98	78.5	.0014	.7857	19.11.9	L	10 12 „
7	20.385	18.88	78.3	24.02	78.4	.0158	.7862	19.10.3	L	11 12 „
8	20.933	18.67	78.4	24.07	78.4	.0124	.7867	19.11.1	L	Midnight.
9	20.590	18.66	78.0	23.98	78.0	.0122	.7857	19.10.8	C	1 12 a. m.
10	21.276	18.55	77.5	24.05	77.6	.0104	.7865	19.11.3	C	2 12 „
11	20.590	18.36	77.5	23.94	77.3	.0073	.7853	19.10.9	C	3 12 „
12	20.590	18.29	77.0	23.97	77.0	.0062	.7856	19.11.1	C	4 12 „
13	20.933	18.35	76.3	24.00	76.7	.0071	.7860	19.11.1	H	5 12 „
14	20.728	18.47	75.8	24.09	76.1	.0092	.7869	19.11.1	H	6 12 „
15	20.933	18.55	75.5	24.19	76.0	.0104	.7880	19.11.9	H	7 12 „
16	22.237	18.79	76.1	24.13	76.0	.0144	.7874	19.11.1	H	8 12 „
17	21.895	19.07	77.0	23.83	76.4	.0190	.7841	19.09.2	L	9 12 „
18	19.973	19.10	78.0	23.59	77.1	.0194	.7814	19.08.1	L	10 12 „
19	19.561	19.27	79.2	23.52	77.9	.0223	.7807	19.07.5	L	11 12 „
20	19.287	19.22	80.0	23.76	78.7	.0214	.7833	19.08.7	L	Noon.
21	19.699	19.29	80.5	23.96	79.3	.0226	.7855	19.09.3	C	1 12 p. m.
22	20.590	19.06	80.7	24.14	80.0	.0188	.7875	19.10.5	C	2 12 „
23	21.071	18.83	80.9	24.02	80.5	.0150	.7862	19.10.4	C	3 12 „
Feb. 18th-Noon.	21.619	18.41	80.6	23.90	80.6	.0082	.7849	19.10.6	C	4 12 „
1	20.522	18.32	79.8	23.72	80.0	.0066	.7829	19.09.9	H	5 12 „
2	19.356	18.35	78.8	23.83	79.3	.0071	.7841	19.10.4	H	6 12 „
3	19.630	18.43	78.1	23.93	79.0	.0085	.7852	19.10.5	H	7 12 „
4	20.110	18.45	77.7	23.99	78.2	.0088	.7858	19.10.8	H	8 12 „
5	19.904	18.55	77·7	24.06	78.0	.0104	.7866	19.11.3	L	9 12 „
6	19.836	18.38	77.3	24.10	77.6	.0076	.7871	19.11.4	L	10 12 „
7	20.659	18.35	77.0	24.12	77.3	.0071	.7873	19.11.6	L	11 12 „
8	20.316	18.66	76.9	24.15	77.0	.0122	.7876	19.11.4	L	Midnight.
9	20.522	18.58	76.5	24.17	76.8	.0109	.7878	19.11.7	C	1 12 a. m.
10	20.042	18.59	76.3	24.17	76.5	.0111	.7878	19.11.7	C	2 12 „
11	20.110	18.55	76.0	24.17	76.3	.0104	.7878	19.11.8	C	3 12 „
12	20.042	18.57	75.3	24.13	75.8	.0108	.7874	19.11.5	C	4 12 „
13	20.042	18.61	75.0	24.15	75.5	.0114	.7876	19.11.6	H	5 12 „
14	19.870	18.61	74.8	24.21	75.3	.0114	.7883	19.11.9	H	6 12 „
15	19.561	18.74	74.5	24.25	75.0	.0136	.7887	19.11.7	H	7 12 „
16	20.590	19.06	74.9	24.23	75.0	.0188	.7885	19.10.9	H	8 12 „
17	21.345	19.47	75.9	23.95	75.4	.0256	.7854	19.08.8	L	9 12 „
18	20.453	19.65	77.4	23.61	76.3	.0284	.7817	19.07.2	L	10 12 „
19	19.561	19.84	78.4	23.31	77.0	.0316	.7784	19.05.2	L	11 12 „
20	19.081	19.85	78.9	23.44	77.9	.0317	.7798	19.05.8	L	Noon.
21	20.453	19.70	79.4	23.66	78.6	.0293	.7822	19.07.1	C	1 12 p. m.
22	20.522	19.54	79.4	23.49	79.0	.0267	.7803	19.06.7	C	2 12 „
23	20.179	19.41	79.5	23.54	79.0	.0246	.7809	19.07.1	C	3 12 „
Feb. 19th-Noon.	20.042	19.15	79.0	23.68	79.0	.0202	.7824	19.08.4	C	4 12 „
1	19.973	18.99	78.1	23.72	78.7	.0176	.7829	19.08.9	H	5 12 „
2	19.561	18.78	77.5	23.70	78.0	.0142	.7827	19.09.4	H	6 12 „
3	19.699	18.58	77.1	23.86	77.8	.0109	.7844	19.10.4	H	7 12 „
4	19.767	18.58	77.0	23.88	77.6	.0109	.7846	19.10.5	H	8 12 „
5	19.973	18.63	76.7	24.00	77.3	.0117	.7860	19.10.8	L	9 12 „
6	20.042	18.75	76.0	23.95	76.7	.0137	.7854	19.10.4	L	10 12 „
7	20.179	18.82	75.5	24.05	76.4	.0148	.7865	19.10.7	L	11 12 „
8	20.659	18.56	75.2	24.08	76.0	.0106	.7868	19.11.3	L	Midnight.
9	20.179	18.80	75.0	23.99	75.8	.0185	.7858	19.10.3	C	1 12 a. m.
10	20.110	18.68	74.6	24.17	75.3	.0125	.7878	19.11.5	C	2 12 „
11	20.796	18.57	74.8	24.27	75.1	.0108	.7889	19.12.1	C	3 12 „

DAILY OBSERVATIONS FROM 19TH TO 22ND FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 19th—12	20·110	18.76	74·7	24.26	75·0	8.0139	2.7888	19°11′7	C	4 12 a. m.
13	20.316	18.60	73.4	24.22	74.0	.0112	.7884	19.11.9	H	5 12 „
14	20.179	18.67	72.7	24.27	73.9	.0124	.7889	19.11.9	H	6 12 „
15	19.836	18.70	72.1	24.34	72.7	.0129	.7897	19.12.2	H	7 12 „
16	20.316	19.01	72.8	24.52	73.2	.0180	.7917	19.12.4	H	8 12 „
17	20.728	19.32	74.0	24.33	73.8	.0230	.7896	19.10.8	L	9 12 „
18	20.316	19.81	76.0	24.01	75.0	.0311	.7861	19.08.4	L	10 12 „
19	20.590	19.96	77.7	23.84	75.9	.0335	.7842	19.07.3	L	11 12 „
20	20.933	19.91	78.8	23.86	76.9	.0327	.7844	19.07.5	L	Noon.
21	21.345	19.85	79.6	23.75	78.2	.0317	.7832	19.07.1	C	1 12 p. m.
22	21.276	19.64	80.2	23.73	78.9	.0283	.7830	19.07.7	C	2 12 „
23	21.482	19.39	80.4	23.77	79.1	.0242	.7834	19.08.3	C	3 12 „
Feb. 21st-Noon.	19.904	19.38	82.0	23·75	81.1	.0240	.7832	19.08.2	H	4 12 „
1	20.179	19.14	81.0	23.88	80.8	.0201	.7846	19.09.3	H	5 12 „
2	20.110	19.02	79.8	23.85	80.0	.0181	.7843	19.09.5	H	6 12 „
3	19.973	18.91	79.3	23.86	79.7	.0163	.7844	19.09.7	H	7 12 „
4	20.042	18.86	78.8	23.88	79.2	.0153	.7846	19.09.7	H	8 12 „
5	19.904	18.87	78.5	23.88	79.0	.0157	.7846	19.09.7	L	9 12 „
6	19.767	18.89	78.2	23.87	78.5	.0160	.7845	19.09.8	L	10 12 „
7	19.973	18.95	77.7	23.97	78.1	.0169	.7856	19.10·1	L	11 12 „
8	20.247	18.88	77.4	24.01	77.8	.0158	.7861	19.10.3	L	Midnight.
9	20.453	18.83	77.2	24.04	77.8	.0150	.7864	19.10.5	C	1 12 a.m.
10	20.385	18.78	77.4	24.08	77.8	.0142	.7868	19.10.9	C	2 12 „
11	20.179	19.00	77.3	24.04	77.5	.0178	.7864	19.10.2	C	3 12 „
12	20.316	18.86	77.3	23.99	77.3	.0155	.7858	19.10.3	C	4 12 „
13	20.042	18.85	77.0	24.04	77.0	.0153	.7864	19.10.5	H	5 12 „
14	20.042	18.92	76.8	24.05	77.0	.0164	.7865	19.10.5	H	6 12 „
15	20.385	18.90	76.3	24.18	76.8	.0161	.7879	19.11.0	H	7 12 „
16	21.139	19.12	76.8	24.27	76.9	.0197	.7889	19.10.9	H	8 12 „
17	21.826	19.38	77.9	24.08	77.4	.0240	.7868	19.09.6	L	9 12 „
18	21.415	19.66	79·5	23.74	78.7	.0286	.7831	19.07.5	L	10 12 „
19	20.385	19.86	81.1	23.52	79.9	.0319	.7807	19.06.2	L	11 12 „
20	19.150	19.98	82.9	23.43	81.0	.0338	.7797	19.05.6	L	Noon.
21	19.081	19.89	83.8	23.39	81.8	.0324	.7792	19.05.5	C	1 12 p.m.
22	18.944	19.66	84.1	23.38	82.2	.0286	.7791	19.05.9	C	2 12 „
23	19.218	19.56	84.6	23.45	82.9	.0270	.7799	19.06.5	C	3 12 „
Feb. 22nd-Noon.	19.356	19.43	84.3	23.51	83.0	.0249	.7806	19.07.0	C	4 12 „
1	19.356	19.28	83.7	23.59	83.0	.0224	.7814	19.07.7	H	5 12 „
2	19.356	19.03	82.8	23.61	82.4	.0183	.7817	19.08.5	H	6 12 „
3	19.424	18.78	82.0	23.76	82.0	.0142	.7833	19.09.6	H	7 12 „
4	19.356	18.59	81.4	23.74	81.4	.0111	.7831	19.09.9	H	8 12 „
5	19.561	18.54	81.0	23.75	81.0	.0103	.7832	19.10.0	L	9 12 „
6	19.904	18.58	80.3	23.86	80.7	.0109	.7844	19.10.4	L	10 12 „
7	20.179	18.68	80.0	23.90	80.1	.0125	.7849	19.10.3	L	11 12 „
8	20.179	18.92	79.7	23.92	79.9	.0164	.7851	19.10.0	L	Midnight.
9	19.630	19.05	79.0	23.82	79.6	.0186	.7840	19.09.2	C	1 12 a.m.
10	19.424	19.08	78.9	23.91	79.2	.0191	.7850	19.09.6	C	2 12 „
11	19.287	19.15	78.8	23.88	79.1	.0202	.7846	19.09.3	C	3 12 „
12	18.944	19.09	78.5	23.85	79.0	.0193	.7843	19.09.3	C	4 12 „
13	18.690	19.06	78.0	23.87	78.4	.0188	.7845	19.09.4	H	5 12 „
14	19.287	19.11	77.4	23.90	78.0	.0196	.7849	19.09.4	H	6 12 „
15	19.013	19.21	77.0	24.08	77.5	.0213	.7868	19.10.0	H	7 12 „
16	20.385	19.47	77.6	24.00	77.7	.0256	.7860	19.09.0	H	8 12 „
17	21.002	19.71	78.7	23.92	78.0	.0295	.7851	19.08.2	L	9 12 „
18	21.415	20.04	80.2	23.65	78.9	.0349	.7821	19.06.3	L	10 12 „
19	20.453	20.18	81.9	23.28	80.1	.0371	.7780	19.04.5	L	11 12 „
20	19.561	20.10	82.9	23.25	81.5	.0358	.7777	19.04.4	L	Noon.
21	19.886	20.00	84.0	23.40	83.0	.0342	.7794	19.05.4	C	1 12 p.m.
22	20.153	19.86	85.1	23.54	84.0	.0319	.7796	19.05.7	C	2 12 „
23	20.590	19.79	85.6	23.34	84.5	.0308	.7787	19.05.6	C	3 12 „

On the 19th, at about 20h., Deflection Observations were taken.
On the 22nd, at about 19h., Dip as obtained by Observation was 18°49′7.

DAILY OBSERVATIONS FROM 23RD TO 26TH FEBRUARY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 23rd-Noon.	19°836	19.60	85°1	23.27	84°7	8.0276	2.7779	19°05'6	C	4 12 p. m.
1	18.670	19.36	84.2	23.22	84.0	.0237	.7774	19.05.9	H	5 12 ,,
2	18.464	19.26	83.0	23.39	83.1	.0221	.7792	19.06.8	H	6 12 ,,
3	18.807	19.12	82.2	23.56	82.5	.0197	.7811	19.07.9	H	7 12 ,,
4	18.944	18.96	81.8	23.58	82.0	.0171	.7813	19.08.4	H	8 12 ,,
5	18.944	18.79	81.3	23.60	81.5	.0144	.7816	19.08.9	L	9 12 ,,
6	19.218	18.78	80.7	23.65	81.0	.0142	.7821	19.09.1	L	10 12 ,,
7	19.287	18.84	79.8	23.67	80.6	.0152	.7823	19.09.0	L	11 12 ,,
8	19.699	18.85	79.2	23.68	80.1	.0153	.7824	19.09.0	L	Midnight.
9	19.733	19.00	78.8	23.70	79.9	.0178	.7827	19.08.9	C	1 12 a. m.
10	19.699	18.85	78.4	23.72	79.3	.0153	.7829	19.09.2	C	2 12 ,,
11	19.870	18.97	78.0	23.73	79.0	.0173	.7830	19.09.0	C	3 12 ,,
12	19.287	19.13	78.0	23.77	78.9	.0199	.7834	19.08.8	C	4 12 ,,
13	19.081	19.10	78.5	23.78	78.8	.0194	.7835	19.09.0	H	5 12 ,,
14	18.532	19.07	78.5	23.74	78.8	.0190	.7831	19.08.8	H	6 12 ,,
15	19.013	19.15	78.4	23.88	78.7	.0202	.7846	19.09.3	H	7 12 ,,
16	19.973	19.37	78.6	23.91	78.8	.0239	.7850	19.09.0	H	8 12 ,,
17	20.247	19.73	79.6	23.76	79.2	.0298	.7833	19.07.5	L	9 12 ,,
18	19.356	20.14	81.3	23.37	80.2	.0365	.7790	19.04.9	L	10 12 ,,
19	18.258	20.42	82.8	23.16	81.4	.0412	.7769	19.03.5	L	11 12 ,,
20	18.327	20.22	83.6	23.24	82.0	.0378	.7776	19.04.2	L	Noon. p. m.
21	19.013	20.09	84.1	23.59	83.0	.0357	.7814	19.05.9	C	1 12
22	20.110	19.85	84.1	23.69	83.2	.0319	.7825	19.06.9	C	2 12 ,,
23	20.453	19.70	84.3	23.45	83.6	.0293	.7799	19.06.2	C	3 12 ,,
Feb. 24th-Noon.	19.973	19.62	84.6	23.29	84.0	.0279	.7781	19.05.7	C	4 12 ,,
1	19.150	19.47	84.0	23.16	83.7	.0256	.7767	19.05.4	H	5 12 ,,
2	19.013	19.35	83.1	23.39	83.0	.0235	.7792	19.06.6	H	6 12 ,,
3	19.630	19.11	82.2	23.50	82.4	.0196	.7805	19.07.7	H	7 12 ,,
4	19.561	19.00	81.6	23.60	82.0	.0178	.7816	19.08.4	H	8 12 ,,
5	19.356	18.93	81.0	23.59	81.3	.0166	.7814	19.08.4	L	9 12 ,,
6	19.356	18.90	80.4	23.56	81.0	.0161	.7811	19.08.4	L	10 12 ,,
7	19.287	19.03	80.1	23.58	80.4	.0183	.7813	19.08.2	L	11 12 ,,
8	19.424	19.04	79.6	23.70	80.0	.0185	.7827	19.08.7	L	Midnight.
9	19.356	19.06	79.2	23.77	80.0	.0188	.7834	19.08.9	C	1 12 a. m.
10	19.287	19.08	78.9	23.65	79.2	.0191	.7821	19.08.4	C	2 12 ,,
11	19.081	19.02	78.0	23.81	79.0	.0171	.7839	19.09.4	C	3 12 ,,
12	18.944	19.14	78.2	23.78	78.9	.0201	.7835	19.08.9	C	4 12 ,,
13	19.424	19.35	78.1	23.76	78.5	.0235	.7833	19.08.3	H	5 12 ,,
14	19.904	19.07	77.8	23.97	78.2	.0190	.7856	19.09.8	H	6 12 ,,
15	20.728	19.14	77.1	23.95	77.8	.0201	.7854	19.09.6	H	7 12 ,,
16	20.592	19.19	77.4	23.82	77.8	.0209	.7840	19.09.0	H	8 12 ,,
17	20.728	19.57	78.7	23.37	78.3	.0272	.7790	19.06.2	L	9 12 ,,
18	19.561	19.76	79.7	22.95	79.0	.0303	.7744	19.04.0	L	10 12 ,,
19	18.532	19.84	81.3	22.88	80.0	.0316	.7736	19.03.4	L	11 12 ,,
20	17.915	19.83	81.9	22.97	80.6	.0314	.7746	19.04.0	L	Noon.
21	17.915	19.82	82.6	23.19	81.5	.0312	.7770	19.04.9	C	1 12 p. m.
22	18.875	19.78	82.9	23.38	82.0	.0300	.7791	19.05.8	C	2 12 ,,
23	19.630	19.68	83.0	23.48	82.6	.0289	.7805	19.06.3	C	3 12 ,,
Feb. 26th-Noon.	20.042	19.22	82.4	23.26	82.3	.0214	.7778	19.06.5	C	4 12 ,,
1	19.630	19.08	81.0	23.28	82.0	.0191	.7780	19.06.8	H	5 12 ,,
2	19.356	19.07	80.3	23.39	81.2	.0190	.7792	19.07.2	H	6 12 ,,
3	19.356	18.94	79.9	23.47	80.7	.0168	.7801	19.07.9	H	7 12 ,,
4	19.493	18.95	79.6	23.48	80.3	.0169	.7802	19.07.9	H	8 12 ,,
5	19.630	18.89	79.1	23.49	80.0	.0160	.7803	19.08.1	L	9 12 ,,
6	19.356	18.89	78.9	23.50	79.5	.0160	.7805	19.08.2	L	10 12 ,,
7	19.356	18.91	78.6	23.55	79.3	.0163	.7810	19.08.4	L	11 12 ,,
8	19.356	19.07	78.4	23.61	79.0	.0190	.7817	19.08.3	L	Midnight.
9	19.561	19.06	78.1	23.71	79.0	.0188	.7828	19.08.7	C	1 12 a. m.
10	19.356	19.06	78.0	23.73	78.9	.0188	.7830	19.08.8	C	2 12 ,,
11	19.287	19.03	77.8	23.69	78.5	.0183	.7825	19.08.8	C	3 12 ,,

DAILY OBSERVATIONS FROM 26TH FEBRUARY TO 1ST MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Feb. 26th—12	19·218	19.09	77·7	23.77	78·2	8.0193	2.7834	19°08·9	C	4 12 p.m.
13	19.218	19.03	77.4	23.77	78.0	.0183	.7834	19.09.1	H	5 12 „
14	19.630	19.16	77.0	23.87	77.6	.0204	.7845	19.09.3	H	6 12 „
15	20.590	19.14	76.5	23.94	77.1	.0201	.7853	19.09.6	H	7 12 „
16	21.482	19.52	76.9	23.84	77.4	.0263	.7842	19.08.3	H	8 12 „
17	21.826	20.08	78.4	23.46	78.0	.0355	.7800	19.05.4	L	9 12 „
18	21.002	20.53	80.0	22.95	79.0	.0429	.7744	19.02.3	L	10 12 „
19	18.670	20.47	80.6	22.69	79.7	.0420	.7715	19.01.3	L	11 12 „
20	17.915	20.36	81.2	22.96	80.2	.0401	.7745	19.02.8	L	Noon.
21	17.572	20.26	82.0	23.14	81.4	.0385	.7765	19.03.6	C	1 12 p.m.
22	18.395	19.92	82.2	23.32	81.9	.0328	.7785	19.05.2	C	2 12 „
23	18.807	19.76	82.4	23.32	82.3	.0303	.7785	19.05.6	C	3 12 „
Feb. 27th-Noon.	19.081	19.57	82.0	23.26	82.3	.0272	.7778	19.05.7	C	4 12 „
1	18.944	19.78	81.0	23.27	81.9	.0306	.7779	19.05 2	H	5 12 „
2	19.013	19.55	80.0	23.31	81.1	.0268	.7784	19.05.9	H	6 12 „
3	19.699	19.29	79.3	23.40	80.4	.0226	.7794	19.06.8	H	7 12 „
4	19.013	19.42	79.0	23.44	80.0	.0247	.7798	19.06.7	H	8 12 „
5	19.493	19.36	78.4	23.57	79.5	.0237	.7812	19.07.4	L	9 12 „
6	19.287	19.28	78.0	23.59	79.0	.0224	.7814	19.07.7	L	10 12 „
7	19.287	19.06	77.5	23.56	78.4	.0188	.7811	19.08.0	L	11 12 „
8	20.247	18 84	77.3	23.70	78.2	.0152	.7827	19.09.2	L	Midnight.
9	19.424	19.08	77.0	23.66	78.0	.0191	.7822	19.08.4	C	1 12 a.m.
10	19.013	18.97	77.0	23.68	78.0	.0173	.7824	19.08.8	C	2 12 „
11	19.013	19.03	76.8	23.80	78.0	.0183	.7838	19.09.3	C	3 12 „
12	17.984	19.11	76 7	23.84	77.5	.0196	.7842	19.09.1	C	4 12 „
13	18.807	18.84	76.5	24.03	77.2	.0152	.7863	19.10.5	H	5 12 „
14	18·944	18.96	76.5	24.09	77.0	.0171	.7869	19.10.5	H	6 12 „
15	20.522	18.99	76.3	24.26	77.0	.0176	.7888	19.11.2	H	7 12 „
16	22.101	19.37	77.0	24.21	77.0	.0239	.7883	19.10.2	H	8 12 „
17	23.473	19.56	78.0	23.97	77.4	.0270	.7856	19.08.8	L	9 12 „
18	23.267	19.96	79.3	23.55	78.2	.0335	.7810	19.06.1	L	10 12 „
19	21.415	20.07	79.7	23.30	78.9	.0354	.7783	19.04.8	L	11 12 „
20	19.836	20.01	77.9	23.36	79.2	.0344	.7789	19.05.2	L	Noon.
21	19.493	19.83	80.1	23.54	79.7	.0314	.7809	19.06.4	C	1 12 p.m.
22	19.699	19.51	60.1	23.70	80.1	.0262	.7827	19.07.8	C	2 12 „
23	20.110	19.14	80.1	23.63	80.3	.0201	.7819	19.08.2	C	3 12 „
Mar. 1st-Noon.	20.179	19.06	80.9	23.77	81.0	.0188	.7834	19.08.9	C	4 12 „
1	19.836	18.94	79.8	23.62	80.7	.0168	.7818	19.08.6	C	5 12 „
2	19.561	18.70	78.6	23.67	79.8	.0129	.7823	19.09.3	C	6 12 „
3	19.904	18.62	78.1	23.86	79.0	.0115	.7844	19.10.2	C	7 12 „
4	20.316	18.11	78.0	23.91	78.8	.0032	.7850	19.11.3	C	8 12 „
5	20.316	17.99	77.9	23.96	78.5	.0012	.7855	19.11,8	H	9 12 „
6	22.374	17.06	77.8	24.29	78.1	7.9860	.7891	19.15.2	H	10 12 „
7	22.444	16.88	77.5	23.97	78.0	.9830	.7856	19.14.3	H	11 12 „
8	22.374	17.15	77.4	24.01	77.8	.9874	.7861	19.13.9	H	Midnight.
9	21.345	17.73	77.0	24.02	77.3	.9870	.7862	19.12.8	L	1 12 a m.
10	20.385	17.85	76.7	24.03	77.0	.9989	.7863	19.12.3	L	2 12 „
11	19.973	17.67	76.3	24.04	76.6	.9960	.7864	19.12.7	L	3 12 „
12	19.493	18.04	76.1	24.14	76.4	8.0021	.7875	19.12.3	L	4 12 „
13	19.699	18.07	76.0	24.19	76.2	.0026	.7880	19.12.4	C	5 12 „
14	19.561	18.12	75.9	24.04	76.2	.0033	.7864	19.11.7	C	6 12 „
15	19.561	18.19	75.6	24.19	76.0	.0045	.7880	19.12.1	C	7 12 „
16	20.522	18.53	75.9	24.24	76.1	.0101	.7886	19.12.1	C	8 12 „
17	21.071	19.05	76.9	24.10	76.6	.0186	.7871	19.10.3	H	9 12 „
18	21.208	19.58	77.8	23.85	77.1	.0273	.7843	19.08.3	H	10 12 „
19	20.453	19.75	78.5	23.54	77.9	.0301	.7820	19.07.0	H	11 12 „
20	19.356	19.90	79.4	23.51	78.7	.0325	.7806	19.06.1	H	Noon.
21	19.699	19.47	79.7	23.82	79.0	.0256	.7840	19.08.3	L	1 12 p.m.
22	20.728	18.96	79.6	24.14	79.6	.0171	.7875	19.10.8	L	2 12 „
23	20.659	18.56	79.4	24.02	79.7	.0106	.7862	19.11.0	L	3 12 „

On the 26th, at about 19h. 35m., Deflection Observations were taken.
On the 1st, at about 18h. 30m,. Dip as obtained by Observation was 19°03′8.

DAILY OBSERVATIONS FROM 2ND TO 4TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 2nd-Noon.	20°728	18.05	78°8	23.79	79°5	8.0022	2.7836	19°10′8	L	4 12 p. m.
1	20.247	18.11	78.0	23.71	79.0	.0032	.7828	19.10.4	C	5 12 „
2	19.836	18.18	77.0	23.80	78.2	.0043	.7838	19.10.7	C	6 12 „
3	20.110	18.01	77.0	23.59	78.0	.0016	.7858	19.11.7	C	7 12 „
4	20.316	18 44	76.9	23 93	77.6	.0087	.7852	19.10.5	C	8 12 „
5	20.453	18.14	76.2	24.02	77.1	.0037	.7862	19.11.5	H	9 12 „
6	20.247	18.26	76.4	24.11	77.0	.0057	.7872	19.11.6	H	10 12 „
7	20.385	18 25	76.5	24.21	77.0	.0055	.7883	19.12.1	H	11 12 „
8	21.208	18.10	76.5	24.26	76.9	.0030	.7888	19.12.7	H	Midnight.
9	20.796	18.47	76.0	24.20	76.6	.0092	.7882	19.11.6	L	1 12 a. m.
10	20.796	18.24	75.6	24.15	76.4	.0054	.7876	19.11.9	L	2 12 „
11	20.728	18.25	75.3	24.21	76.2	.0055	.7883	19.12.1	L	3 12 „
12	19.973	18.22	75.2	24.13	76.0	.0050	.7874	19.11.8	L	4 12 „
13	19.287	18.33	75.0	24.20	76.0	.0068	.7882	19.11.9	C	5 12 „
14	19.424	18.41	75.0	24.20	75.9	.0082	.7882	19.11.8	C	6 12 „
15	19.081	18.54	75.0	24.31	75.4	.0103	.7894	19.12.4	C	7 12 „
16	20.590	18.81	75.0	24.51	75.6	.0147	.7916	19.12.6	C	8 12 „
17	21.002	19.16	76.4	24.29	76.0	.0204	.7891	19.11.0	H	9 12 „
18	21.002	19.47	77.8	24.02	77.0	.0256	.7862	19.09.0	H	10 12 „
19	21.482	19.48	78.7	23.93	77.6	.0257	.7851	19.08.7	H	11 12 „
20	20.796	19.45	79.4	23.67	78.3	.0252	.7820	19.07.7	H	Noon.
21	20.385	19.47	80.0	23.58	79.2	.0256	.7813	19.07.2	L	1 12 p. m.
22	21.208	19.25	80.2	23.69	79.8	.0219	.7825	19.08.2	L	2 12 „
23	21.071	19.13	80.0	23.50	80.1	.0199	.7805	19.07.7	L	3 12 „
Mar. 3rd-Noon.	20.659	18.62	79.9	23.49	80.3	.0115	.7804	19.08.6	L	4 12 „
1	19.836	18.87	79.1	23.49	80.0	.0157	.7804	19.08.1	C	5 12 „
2	19.973	18.89	78.2	23.73	79.3	.0160	.7830	19.09.2	C	6 12 „
3	19.973	18.79	78.0	23.82	79.0	.0144	.7840	19.09.9	C	7 12 „
4	20.042	18.60	77.8	23.86	78.8	.0112	.7844	19.10.4	C	8 12 „
5	20.247	18.52	77.4	23.82	78.0	.0099	.7840	19.10.4	H	9 12 „
6	21.002	18.45	77.1	24.08	77.8	.0088	.7868	19.11.1	H	10 12 „
7	21.071	18.74	77.2	24.12	77.4	.0136	.7873	19.11.1	H	11 12 „
8	20.385	18.66	77.4	24.07	77.4	.0122	.7867	19.11.1	H	Midnight.
9	20.453	18.61	77.2	24.13	77.6	.0114	.7874	19.11.5	L	1 12 a. m.
10	20.385	18.53	77.0	24.09	77.4	.0101	.7879	19.11.8	L	2 12 „
11	20.247	18.54	76 9	24.06	77.1	.0103	.7866	19.11.3	L	3 12 „
12	20.110	18 49	76.5	24.08	77.0	.0095	.7868	19.11.4	L	4 12 „
13	19.836	18.54	76.2	24.05	77.0	.0103	.7865	19.11.3	C	5 12 „
14	20.110	18.54	76.0	24.11	76.9	.0103	.7872	19.11.5	C	6 12 „
15	19.973	18.64	75.1	24.31	76.2	.0119	.7894	19.12.1	C	7 12 „
16	21.071	19.15	75.9	24.38	76.0	.0202	.7901	19.11.4	C	8 12 „
17	22.444	19.61	77.0	24.17	76.7	.0278	.7878	19.09 5	H	9 12 „
18	22.444	19.94	78.5	23.91	77.7	.0332	.7850	19.07.8	H	10 12 „
19	21.826	20.05	79.7	23.66	78.6	.0350	.7822	19.06.3	H	11 12 „
20	20.385	19.74	80.1	23.52	79.0	.0300	.7807	19.06.5	H	Noon.
21	19.218	19.64	80.7	23.47	79.8	.0283	.7801	19.06.5	L	1 12 p. m.
22	19.424	19.39	80.6	23.53	80.2	.0242	.7808	19.07.3	L	2 12 „
23	19.081	19.12	80.4	23.45	80.3	.0197	.7799	19.07.8	L	3 12 „
Mar. 4th-Noon.	18.944	19.08	80.5	23.40	80.7	.0192	.7794	19.07.3	L	4 12 „
1	18.875	19.00	80.0	23.44	80.2	.0178	.7798	19.07.7	C	5 12 „
2	19.630	18.94	79.0	23.72	80.0	.0168	.7829	19.09.0	C	6 12 „
3	19.904	18.85	78.9	23.86	79.7	.0153	.7844	19.09.8	C	7 12 „
4	19.836	18.85	78.8	23.83	79.3	.0153	.7841	19.09.7	C	8 12 „
5	20.110	18.64	78.2	23.89	78.7	.0119	.7847	19.10.4	H	9 12 „
6	19.973	18.58	78.0	23.97	78.4	.0109	.7856	19.10.9	H	10 12 „
7	20.453	18.49	77.9	24.00	78.1	.0095	.7860	19.11.1	H	11 12 „
8	20.728	18.56	77 8	24.01	78.0	.0106	.7861	19.11.0	H	Midnight.
9	20.453	18.41	77.7	23.96	78.0	.0082	.7855	19.10.9	L	1 12 a. m.
10	20.042	18.52	77.5	23.94	77.9	.0099	.7853	19.10.9	L	2 12 „
11	20.110	18.60	77.3	24.00	77.8	.0112	.7860	19.11.0	L	3 12 „

DAILY OBSERVATIONS FROM 4TH TO 7TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 4th—12	19·767	18.71	77·1	24.00	77·6	8.0131	2.7860	19°10′7	L	4 12 a. m.
13	19.630	18.82	77.0	23.96	77.6	.0148	.7855	19.10.3	C	5 12 „
14	19.836	18.83	76.6	24.03	77.2	.0150	.7863	19.10.5	C	6 12 „
15	20.110	18.85	76.2	24.16	77.0	.0153	·7877	19.11.1	C	7 12 „
16	21.345	19.25	76.5	24.23	77.0	.0219	.7885	19.10.5	C	8 12 „
17	22.101	19.70	77.5	24.11	77.5	.0293	.7872	19.09.0	H	9 12 „
18	22.374	20 08	78.7	23.90	78.1	.0355	.7849	19.07.3	H	10 12 „
19	21.758	20.16	79.9	23.72	79.0	.0368	.7829	19.06.4	H	11 12 „
20	20.796	2 08	80.2	23.55	79.8	.0355	.7810	19.05.8	H	Noon.
21	19.767	19.90	80.7	23.47	80.2	.0325	.7801	19.05.8	L	1 12 p. m
22	20.179	10.67	80.8	23.42	80.7	.0288	.7796	19.06.1	L	2 12 „
23	20.110	19.45	80.7	23.38	80.9	.0252	.7791	19.06.4	L	3 12 „
Mar. 5th-Noon.	19.973	19.16	80.4	23.42	80.9	.0204	.7796	19.07.3	L	4 12 „
1	19.493	19.16	79.8	23.46	80.8	.0204	.7800	19.07.5	C	5 12 „
2	19.630	18.92	79.0	23.61	80.0	.0164	.7817	19.08.7	C	6 12 „
3	19.836	18.99	79.0	23.72	79.9	.0176	.7829	19.08.9	C	7 12 „
4	20.453	18.73	79.0	23.80	79.8	.0134	.7838	19.09.9	C	8 12 „
5	20.385	18.59	78.8	23.79	79.2	.0111	.7836	19.10.1	H	9 12 „
6	20.042	18.52	78.1	23.81	78.6	.0099	.7839	19.10.3	H	10 12 „
7	22.168	18.79	77.6	24.10	78 0	.0144	.7871	19.11.0	H	11 12 „
8	21.758	18.13	77.5	23.95	77.9	.0035	.7854	19.11.3	H	Midnight.
9	21.482	17.88	77.1	23.88	77.5	7.9994	.7846	19.12.0	L	1 12 a. m.
10	20.247	18.09	77.2	23.83	77.5	8.0029	.7841	19.10.9	L	2 12 „
11	20.247	18.19	77.0	23.92	77.4	.0045	.7851	19.11.0	L	3 12 „
12	19.767	18.13	77.0	23.87	77.2	.0035	.7845	19.11.0	L	4 12 „
13	19.287	18.29	76.6	23.91	77.0	.0062	.7850	19.10.9	C	5 12 „
14	19.424	18.38	76.6	24.02	77.0	.0076	.7862	19.11.0	C	6 12 „
15	20.042	18.37	76.1	24.10	76.9	.0075	.7871	19.11.4	C	7 12 „
16	20.590	18.84	76.5	24.07	77.0	.0152	.7869	19.10.7	C	8 12 „
17	21.208	19.29	77.3	23.96	77.2	.0226	.7855	19.09.3	H	9 12 „
18	21.276	19.58	78.4	23.80	78.0	.0273	.7838	19.08.1	H	10 12 „
19	21.551	19.60	79.6	23.82	79.0	.0276	.7840	19.08.1	H	11 12 „
20	20.522	19.57	80.3	23.61	79.7	.0272	.7817	19.09.3	H	Noon.
21	18.944	19.40	80.7	23.60	80.1	.0249	.7816	19.07.4	L	1 12 p. m.
22	19.561	19.16	81.0	23.72	80.7	.0204	.7829	19.08.6	L	2 12 „
23	20.042	18.76	81.0	23.59	81.0	.0139	.7814	19.08.8	L	3 12 „
Mar. 7th-Noon.	20.110	19.28	82.5	23.36	82.7	.0224	.7789	19.06.7	H	4 12 „
1	19.904	19.08	81.7	23.36	82.0	.0191	.7789	19.07.1	H	5 12 „
2	19.561	18.88	80.4	23.50	81.5	.0153	.7805	19.08.2	C	6 12 „
3	19.424	18.69	79.9	23.63	81.0	.0127	.7819	19.09.1	C	7 12 „
4	19.287	18.65	79.6	23.63	80.6	.0120	.7889	19.09.2	C	8 12 „
5	19.081	18.72	79.5	23.53	80.1	.0132	.7808	19.08.7	H	9 12 „
6	19.356	18.63	79.0	23.53	79.9	.0117	.7808	19.08.8	H	10 12 „
7	19.424	18.67	79.1	23.59	79.6	.0124	.7814	19.09.0	H	11 12 „
8	19.493	18.68	79.2	23.63	79.4	.0125	.7819	19.09.1	H	Midnight.
9	19.287	18.83	79.2	23.61	79.0	.0150	.7817	19.08.8	L	1 12 a. m.
10	19.356	18.81	79.1	23.62	79.0	.0147	.7818	19.08.8	L	2 12 „
11	19.353	18.84	79.0	23,65	78.9	.0152	.7821	19.08 9	L	3 12 „
12	19.150	18.83	78.9	23.70	78.5	.0150	.7827	19.09.2	L	4 12 „
13	19.287	18.72	78.7	23.74	78.5	.0131	.7831	19.09.6	C	5 12 „
14	19.150	18.81	78.6	23.83	78.5	.0147	.7841	19.09.7	C	6 12 „
15	20.247	18.84	78.3	23.98	78.3	.0152	.7857	19.10.4	C	7 12 „
16	21.619	19.04	78.6	24.01	78.6	.0185	.7861	19.09.9	C	8 12 „
17	22.581	19.29	79.3	23.69	79.0	.0226	.7825	19.08.1	H	9 12 „
18	21.415	19.54	80.6	23.20	79.9	.0267	.7772	19.05.4	H	10 12 „
19	20.723	19.61	81.6	23.20	80.5	.0278	.7772	19.05.3	H	11 12 „
20	19.699	19.59	82.3	22 99	81.1	.0275	.7748	19.04 5	H	Noon.
21	19.424	19.51	83.2	23.12	82.2	.0262	.7763	19.05.2	L	1 12 p. m
22	20.042	19.40	83.9	23.23	83.0	.0244	.7775	19.06.0	L	2 12 „
23	20.316	19.30	84.0	23.17	83.7	.0227	.7768	19.05 8	L	3 12 „

On the 4th, at about 19h., Dip as obtained by Observation was 18°57′8.
On the 5th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 8TH TO 10TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 8th-Noon.	20·796	19.21	84·0	23.22	83·9	8.0213	2.7774	19°06·3	L	4 12 p. m.
1	20.659	19.07	83.3	23.25	83.2	.0190	.7777	19.06.7	C	5 12 „
2	20.042	18.91	82.5	23.24	82.9	.0163	.7776	19.07.0	C	6 12 „
3	19.699	18.81	82.0	23.32	82.3	.0147	.7785	19.07.5	C	7 12 „
4	19.630	18.68	81.5	23.36	82.0	.0125	.7789	19.07.9	C	8 12 „
5	19.699	18.51	81.0	23.48	81.2	.0098	.7802	19.08.8	H	9 12 „
6	19.973	18.50	80.9	23.52	81.1	.0096	.7807	19.09.1	H	10 12 „
7	19.973	18.60	80.8	23.53	81.0	.0112	.7819	19.09.4	H	11 12 „
8	19.904	18.62	80.5	23.53	80.9	.0115	.7819	19.09.2	H	Midnight.
9	19.904	18.59	80.2	23.56	80.7	.0111	.7822	19.09.5	L	1 12 a. m.
10	19.767	18.65	80.1	23.70	80.5	.0120	.7827	19.09.6	L	2 12 „
11	19.356	18.73	80.0	23.68	80.4	.0134	.7824	19.09.3	L	3 12 „
12	19.356	18.71	80.0	23.67	80.3	.0131	.7823	19.09.3	L	4 12 „
13	19.287	18.70	79.7	23.70	80.1	.0129	.7827	19.09.5	C	5 12 „
14	20.042	18.69	79.3	23.67	79.9	.0127	.7823	19.09.3	C	6 12 „
15	21.139	18.79	79.2	23.89	79.8	.0144	.7847	19.10.2	C	7 12 „
16	22.581	19.13	79.7	23.80	79.9	.0139	.7838	19.09.0	C	8 12 „
17	22.649	19.48	80.4	23.58	80.1	.0257	.7805	19.06.9	H	9 12 „
18	22.101	19.83	81.8	23.21	81.0	.0314	.7773	19.05.0	H	10 12 „
19	20.453	19.97	82.6	23.14	81.9	.0337	.7765	19.04.3	H	11 12 „
20	19.973	19.97	83.3	23.03	82.7	.0337	.7753	19.03.9	H	Noon.
21	20.247	19.85	84.0	23.00	83.4	.0317	.7750	19.04.0	L	1 12 p. m.
22	20.316	19.66	84.6	22.99	84.0	.0256	.7748	19.04.3	L	2 12 „
23	20.042	19.46	84.8	23.03	84.3	.0254	.7751	19.04.9	L	3 12 „
Mar. 9th-Noon.	19.973	19.23	84.4	23.08	84.1	.0215	.7758	19.05.6	L	4 12 „
1	19.630	19.05	83.5	23.10	83.3	.0186	.7761	19.06.0	C	5 12 „
2	19.424	18.96	82.7	23.18	82.8	.0171	.7769	19.06.6	C	6 12 „
3	19.630	18.78	82.0	23.25	82.0	.0142	.7777	19.07.4	C	7 12 „
4	19.630	18.72	81.6	23.33	81.6	.0132	.7786	19.07.8	C	8 12 „
5	19.699	18.66	81.4	23.26	81.4	.0122	.7778	19.07.6	H	9 12 „
6	19.424	18.66	81.3	23.29	81.3	.0122	.7781	19.07.7	H	10 12 „
7	19.630	18.69	81.0	23.39	81.2	.0127	.7792	19.08.0	H	11 12 „
8	19.699	18.72	81.0	23.38	81.1	.0132	.7791	19.08.0	H	Midnight.
9	19.561	18.72	80.6	23.43	81.0	.0132	.7797	19.08.2	L	1 12 a. m.
10	19.356	18.76	80.4	23.45	80.9	.0139	.7799	19.08.2	L	2 12 „
11	19.424	18.75	80.3	23.44	80.7	.0137	.7798	19.08.2	L	3 12 „
12	19.218	18.85	80.0	23.46	80.6	.0153	.7800	19.08.4	L	4 12 „
13	19.218	18.89	80.0	23.48	80.5	.0160	.7802	19.08.0	C	5 12 „
14	19.767	18.89	80.0	23.51	80.3	.0160	.7806	19.08.2	C	6 12 „
15	20.728	19.00	80.0	23.60	80.1	.0178	.7816	19.08.4	C	7 12 „
16	21.826	19.44	80.4	23.47	80.4	.0251	.7801	19.06.8	C	8 12 „
17	21.895	19.90	81.4	23.26	80.9	.0325	.7778	19.04.9	H	9 12 „
18	21.688	20.16	82.0	22.94	81.4	.0368	.7743	19.03.1	H	10 12 „
19	20.316	20.25	82.1	22.77	81.7	.0383	.7724	19.02.2	H	11 12 „
20	18.601	20.26	82.8	22.61	82.2	.0385	.7707	19.01.4	H	Noon.
21	17.915	20.09	83.0	22.63	82.6	.0357	.7709	19.01.8	L	1 12 p. m.
22	18.121	19.82	83.2	22.79	83.1	.0312	.7726	19.03.2	L	2 12 „
23	18.327	19.69	83.4	22.83	83.7	.0291	.7731	19.03.6	L	3 12 „
Mar. 10th-Noon.	18.807	19.49	83.6	22.84	84.0	.0259	.7732	19.04.0	L	4 12 „
1	18.944	19.26	82.7	22.92	83.5	.0221	.7741	19.04.9	C	5 12 „
2	18.944	19.08	81.8	23.02	82.9	.0191	.7752	19.05.7	C	6 12 „
3	19.218	18.84	80.9	23.14	82.0	.0152	.7765	19.06.7	C	7 12 „
4	19.699	18.75	80.1	23.23	81.7	.0137	.7775	19.07.3	C	8 12 „
5	19.767	18.60	79.7	23.23	81.0	.0112	.7775	19.07.7	H	9 12 „
6	19.561	18.53	79.6	23.25	80.9	.0101	.7777	19.07.9	H	10 12 „
7	19.836	18.62	79.5	23.27	80.5	.0115	.7779	19.07.6	H	11 12 „
8	19.699	18.71	79.2	23.32	80.1	.0131	.7785	19.07.8	H	Midnight.
9	19.630	18.81	79.0	23.35	80.1	.0147	.7788	19.07.6	L	1 12 a. m.
10	19.630	18.73	78.8	23.34	79.7	.0134	.7787	19.07.9	L	2 12 „
11	19.424	18.76	68.5	23.43	79.4	.0139	.7797	19.08.2	L	3 12 „

On the 8th, at about 19h., Dip as obtained by Observation was 19°05′.

DAILY OBSERVATIONS FROM 10TH TO 12TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 10th—12	19·150	18.77	78°1	23.52	79°0	8.0141	2.7807	19°08′6	L	4 12 a. m.
13	19.150	18.75	77.9	23.58	79.6	.0137	.7813	19.08.8	C	5 12 „
14	19.150	18.87	77.5	23.63	78.7	.0157	.7819	19.08.7	C	6 12 „
15	19.801	18.98	77.5	23.64	78.1	.0194	.7820	19.08.7	C	7 12 „
16	20.796	19.31	77.9	23.57	78.2	.0229	.7812	19.07.5	C	8 12 „
17	21.208	19.66	78.7	23.41	78.9	.0286	.7795	19.06.1	H	9 12 „
18	20.933	20.00	80.0	23.19	79.8	.0342	.7770	19.04.5	H	10 12 „
19	20.042	20.21	81.4	22.96	80.4	.0377	.7745	19.03.1	H	11 12 „
20	18.944	20.23	81.9	22.98	81.0	.0380	.7747	19.03.2	H	Noon.
21	18.327	20.10	82.2	23.01	81.3	.0358	.7751	19.03.5	L	1 12 p. m.
22	18.670	19.92	82.6	22.99	82.4	.0328	.7748	19.03.8	L	2 12 „
23	19.081	19.63	82.5	23.10	82.7	.0281	.7761	19.04.9	L	3 12 „
Mar. 11th-Noon.	19.287	19.39	82.0	23.10	82.8	.0242	.7761	19.05.4	L	4 12 „
1	19.218	19.22	81.1	23.16	82·2	.0214	.7767	19.05.1	C	5 12 „
2	19.356	19.00	80.2	23.21	81.6	.0178	.7773	19.06.7	C	6 12 „
3	19.424	18.95	80.0	23.23	81.0	.0169	.7775	19.06.9	C	7 12 „
4	19.287	18.91	80.0	23.27	80.6	.0163	.7779	19.07.1	C	8 12 „
5	19.356	18.82	79.8	23.15	80.0	.0148	.7766	19.06.7	H	9 12 „
6	19.287	18.80	79.7	23.20	80.0	.0145	.7772	19.06.9	H	10 12 „
7	19.356	18.85	79.6	23.28	80.0	.0153	.7781	19.07.3	H	11 12 „
8	19.356	18.88	79.4	23.32	79.9	.0158	.7785	19.07.4	H	Midnight.
9	19.561	18.95	79.2	23.34	79.6	.0169	.7787	19.07.4	L	1 12 a. m.
10	19.218	18.95	79.0	23.36	79.4	.0169	.7789	19.07.4	L	2 12 „
11	19.356	18.96	78.9	23.36	79.2	.0171	.7789	19.07.4	L	3 12 „
12	19.013	18.93	78.6	23.35	79.0	.0166	.7788	19.07.4	L	4 12 „
13	18.670	18.85	78.1	23.34	78.8	.0153	.7787	19.07.6	C	5 12 „
14	18.875	18.99	78.0	23.46	78.4	.0176	.7800	19.07.8	C	6 12 „
15	19.081	19.43	77.6	23.54	78.1	.0249	.7809	19.07.1	C	7. 12 „
16	20.728	19.81	78.0	23.52	78.3	.0311	.7807	19.06.4	C	8 12 „
17	21.276	20.34	78.9	23.35	78.9	.0398	.7788	19.04.4	H	9 12 „
18	21.276	20.78	80.4	23.16	79.9	.0470	.7767	19.02.7	H	10 12 „
19	20.590	20.82	81.7	22·93	80.9	.0476	.7742	19.01.6	H	11 12 „
20	19.081	20.55	82 2	22.95	81.8	.0432	.7744	19.02.3	H	Noon.
21	18.395	20.31	82.5	23.11	82.2	.0393	.7762	19.03.4	L	1 12 p. m.
22	18.944	20.13	83.0	23.20	82.8	.0363	.7772	19.04.2	L	2 12 „
23	20.042	19.72	83.0	23.16	83.3	.0296	.7768	19.04.9	L	3 12 „
Mar. 12th-Noon.	19.493	19.69	82.8	22.92	83.3	.0291	.7741	19.04.0	L	4 12 „
1	19.287	19.32	82.0	22.89	82.9	.0230	.7737	19.04.7	C	5 12 „
2	19.493	19.05	81.4	23.00	82.4	.0186	.7750	19.05.7	C	6 12 „
3	19.561	18.77	81.0	23.23	82.0	.0141	.7775	19.07.3	C	7 12 „
4	19.630	18.71	81.0	23.24	81.9	.0131	.7776	19.07.4	C	8 12 „
5	19.356	18.79	80.9	23.27	81.5	.0144	.7779	19.07.4	H	9 12 „
6	19.150	18.85	80·9	23.30	81.4	.0153	.7783	19.07.4	H	10 12 „
7	20.042	18.82	80.8	23.39	81.2	.0148	.7792	19.07.7	H	11 12 „
8	19.904	18.78	80.7	23.37	81.1	.0142	.7790	19.07.9	H	Midnight.
9	19.356	18.85	80.8	23·33	81.1	.0153	.7786	19.07.5	L	1 12 a. m.
10	19.218	18.84	80.7	23.37	81.0	.0152	.7790	19.07.7	L	2 12 „
11	18.875	18.82	80.4	23.33	80.9	.0148	.7786	19.07.5	L	3 12 „
12	18.189	19.03	80.2	23.30	80.8	.0183	.7783	19.07.1	L	4 12 „
13	18.601	19.00	80.0	23.32	80.5	.0178	.7785	19.07.2	C	5 12 „
14	19.013	18.97	79.2	23.51	80.4	.0173	.7806	19.08.1	C	6 12 „
15	20.796	18.98	79.0	23.61	80.1	.0174	.7817	19.08.6	C	7 12 „
16	21.826	19.07	79.9	23.41	80.2	.0190	.7795	19.07.4	C	8 12 „
17	24.363	18.84	81.4	23.19	81.4	.0152	.7770	19.06.9	H	9 12 „
18	22.305	18.53	82.5	22.47	82.3	.0101	.7691	19.04.5	H	10 12 „
19	20.522	18.08	84.1	22.34	83.0	.0027	.7677	19.04.6	H	11 12 „
20	18·807	17.47	84.6	22.53	83.8	7.9928	.7698	19.06.0	H	Noon.
21	19.424	17.09	85.0	22.95	84.2	.9865	.7744	19.09.4	L	1 12 p. m.
22	20.659	16.56	84.8	23.34	84.6	.9778	.7788	19.12.5	L	2 12 „
23	19.904	17.19	84.9	22.93	85.0	.9881	.7742	19.09.4	L	3 12 „

On the 11th, at about 19h., Dip as obtained by Observation was 18°55′6.

DAILY OBSERVATIONS FROM 13TH TO 16TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 13th-Noon.	19·767	17.06	84·4	22.89	85·0	7.9860	2.7737	19°09′3	L	4 12 p. m.
1	18.327	16.89	83.6	22.65	84.3	.9832	.7711	19.08.6	C	5 12 „
2	19.356	16.71	83.0	23.05	84.0	.9843	.7755	19.10.8	C	6 12 „
3	20.042	16.71	82.5	23.13	83.5	.9803	.7764	19.11.0	C	7 12 „
4	19.904	16.95	82.4	23·07	83.2	.9841	.7757	19.10.4	C	8 12 „
5	20.316	17.08	82.5	23.22	83.1	.9863	.7774	19.10.6	H	9 12 „
6	21.002	16.75	82.5	23.24	83.0	.9809	.7776	19.11.6	H	10 12 „
7	21.415	16.85	82.5	23·29	82.9	.9825	.7781	19.11.5	H	11 12 „
8	22.101	16.83	81.9	23.28	82.5	.9822	.7780	19.11.6	H	Midnight.
9	22.787	17.65	81.6	23.35	82.4	.9956	.7788	19.10.1	L	1 12 a. m.
10	21.895	17.30	81.4	23.21	82.0	.9899	.7773	19.10.3	L	2 12 „
11	22.374	17.37	80.7	23.40	81.6	.9911	.7794	19·11.0	L	3 12 „
12	22.444	17.45	80.2	23.44	81.2	.9924	.7798	19.11.0	L	4 12 „
13	21.482	17.61	80·2	23.26	81.1	.9950	.7778	19.10.8	C	5 12 „
14	22.101	17.73	80.5	23.34	81.1	.9970	.7787	19.10.0	C	6 12 „
15	22.787	17.67	80.5	23·39	81.2	.9960	.7792	19.10.2	C	7 12 „
16	22.923	18.24	80.9	23.14	81.4	8·0054	.7765	19.07.0	C	8 12 „
17	22.374	18.42	82.0	22.82	82.1	.0083	.7730	19.03.4	H	9 12 „
18	20.385	18.91	83.7	22.94	83.0	.0163	.7743	19.05.8	H	10 12 „
19	19.493	18.61	84.8	23.12	83.9	.0114	.7763	19.07.2	H	11 12 „
20	19.630	18.57	85.1	23.08	84.3	.0108	.7757	19.07.1	H	Noon.
21	19.904	18.57	85.4	23.27	85.0	.0108	.7779	19.07.8	L	1 12 p. m.
22	20.728	18.29	86.1	23·30	85.9	.0062	.7783	19.08.6	L	2 12 „
23	21.071	18.19	86·4	23.02	86.5	.0045	.7752	19.07.5	L	3 12 „
Mar. 15th-Noon.	20.110	17.84	85.9	22.97	86.3	7.9988	.7746	19.08.1	C	4 12 „
1	19.836	18.03	84.9	22.91	85.8	8·0019	.7740	19.07.5	C	5 12 „
2	19·904	18.31	83.6	23.06	85.0	.0065	.7756	19.07.5	C	6 12 „
3	21.002	17.91	83.0	23.28	84.3	7.9999	.7780	19.09.3	C	7 12 „
4	20.796	18.30	83.0	23.22	84.0	8.0063	.7774	19.08.2	C	8 12 „
5	20.865	17.96	82.7	23.27	83.9	.0007	.7779	19.09.1	H	9 12 „
6	21.071	17.84	82.0	23.29	83.5	7.9988	.7781	19.09.4	H	10 12 „
7	20.728	18.40	82.0	23·34	83.3	8.0080	.7787	19.08.6	H	11 12 „
8	19·699	18.65	82.7	23.37	83.1	.0120	.7790	19.08.1	H	Midnight.
9	20.179	18.37	82.3	23.47	82.9	.0075	.7801	19.08.1	L	1 12 a. m.
10	20.590	18.24	81.6	23·24	82.5	.0054	.7776	19.08.4	L	2 12 „
11	20·042	18.45	81.4	23.19	82.4	.0088	.7770	19,07.7	L	3 12 „
12	19.767	18.06	81.2	23.23	82·3	.0024	.7755	19.08.0	L	4 12 „
13	20·385	18.19	80.8	23.27	82·0	.0045	.7779	19.08.5	C	5 12 „
14	21.895	18.07	80.0	23.40	81.6	.0026	.7794	19.09.4	C	6 12 „
15	22.444	18.42	80.1	23.34	81.2	.0083	.7787	19.08.6	C	7 12 „
16	23.267	18.89	81.2	23.27	81.6	.0160	.7779	19.07.1	C	8 12 „
17	23.677	19.40	82.4	22.91	82.3	.0244	.7740	19.04.7	H	9 12 „
18	22.581	19.63	83.9	22.63	83.0	.0281	.7709	19.02.9	H	10 12 „
19	20.865	19.75	85.4	22.43	84.0	.0301	.7687	19.01.8	H	11 12 „
20	19.973	19.58	86.2	22.50	85.0	.0273	.7693	19.02.5	H	Noon.
21	19.356	19.24	86.8	22.66	86.0	.0218	.7712	19.03.7	L	1 12 p. m.
22	19·208	19.01	86.0	22.89	85.8	.0180	.7737	19.05.4	L	2 12 „
23	19.767	18.92	85.9	22.95	85.8	.0166	.7744	19.05.8	L	3 12 „
Mar. 16th-Noon.	20·110	18.64	85·0	22.98	85.3	.0119	.7747	19.06.5	L	4 12 „
1	20.385	18.31	84.1	22.93	84.8	.0065	.7742	19.06.9	C	5 12 „
2	20.042	18.43	83.7	22.92	84.3	.0085	.7741	19.06.6	C	6 12 „
3	20.728	18.18	83.1	23.13	83.9	.0043	.7764	19.08.1	C	7 12 „
4	20.522	18.08	83.0	23.05	83.6	.0027	.7755	19·08.0	C	8 12 „
5	20.042	18.19	82.9	23.05	83.3	.0045	.7755	19.07.7	H	9 12 „
6	20.385	18.18	82.9	23.15	83.2	.0043	.7766	19.08.2	H	10 12 „
7	20.590	18.31	82.7	23.16	83.0	.0065	.7767	19.07.9	H	11 12 „
8	20.522	18.29	82.4	23.21	82.9	.0062	.7773	19.08.2	H	Midnight.
9	20.453	18.29	82.2	23.18	82.7	.0062	.7769	19.08.0	L	1 12 a. m.
10	20.042	18·27	82.3	23.13	82.5	.0059	.7764	19.07.8	L	2 12. „
11	20.385	18.38	82·0	23.22	82.4	.0076	.7774	19.08·0	L	3 12 „

On the 15th, at about 19h. 45m., Dip as obtained by Observation was 18°57′6.

DAILY OBSERVATIONS FROM 16TH TO 18TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 16th—12	20·179	18.24	81·7	23·21	82·1	8.0054	2.7773	19°08′3	L	4 12 a. m.
13	20.385	18.16	81.3	23.24	81.9	.0040	.7776	19.08.6	C	5 12 „
14	20.796	18.27	81.1	23.30	81.8	.0059	.7783	19.08.6	C	6 12 „
15	21.139	18.54	81.3	23·42	81.5	.0103	.7796	19.08.6	C	7 12 „
16	22.718	19.04	82.0	23·31	81.7	.0185	.7784	19.06.9	C	8 12 „
17	22.581	19.35	82.9	23.03	82.3	.0235	.7753	19.05.2	H	9 12 „
18	21.688	19.73	84.0	22·69	83.0	.0293	.7715	19·02.9	H	10 12 „
19	19.493	19.67	85.0	22.38	83.9	.0288	.7681	19.01.6	H	11 12 „
20	18.395	19.49	85.4	22.40	84.5	.0259	.7684	19.02.1	H	Noon.
21	17.709	18.98	85.4	22·61	85.0	.0174	.7707	19.04.3	L	1 12 p. m.
22	18.464	18.83	85.6	22.88	85.3	.0150	.7736	19.05.6	L	2 12 „
23	18.670	18.74	85.2	22.87	85.5	.0136	.7735	19.05.8	L	3 12 „
Mar. 17th-Noon.	19.081	18.41	84.3	22.88	85.3	.0082	.7736	19.06.6	L	4 12 „
1	19.630	18.30	83·6	22.93	84.5	.0063	.7742	19.07.0	C	5 12 „
2	20.110	18.26	83·0	22·98	84.0	.0057	.7747	19·07.3	C	6 12 „
3	20.659	18.10	83.0	23.11	83.8	.0030	.7762	19.08.1	C	7 12 „
4	20.522	18.23	82.8	23.01	83.5	.0052	.7751	19.07.5	C	8 12 „
5	20.659	18.27	82.4	23.03	83.0	.0059	.7753	19.07.5	H	9 12 „
6	20.522	18.59	82·2	23.21	82.9	.0111	.7773	19.07.6	H	10 12 „
7	21.415	18.33	81·9	23.26	82.5	.0068	.7778	19.08.3	H	11 12 „
8	21.276	18.28	81.5	23.19	82.2	.0060	.7770	19.08·1	H	Midnight.
9	20.385	18.38	81.4	23·20	82.2	.0076	.7772	19.07.9	L	1 12 a. m.
10	20.590	18.23	81.0	23.25	81.8	.0052	.7777	19.08.5	L	2 12 „
11	20.590	18.33	80·7	23.29	81.5	.0068	.7781	19.08.4	L	3 12 „
12	20.659	18.35	80.4	23.29	81.3	.0071	.7781	19.08.4	L	4 12 „
13	20.042	18·40	80.7	23·25	81.2	.0080	.7777	19.08.2	C	5 12 „
14	20.316	18.45	80·4	23.33	81.1	.0088	.7786	19.08.4	C	6 12 „
15	21.758	18.68	80.0	23.49	80.8	.0125	.7803	19.08.5	C	7 12 „
16	22.787	18·80	80.9	23.19	81.0	.0145	.7770	19.06.9	C	8 12 „
17	23.060	19.43	81·7	22.98	81.4	.0249	.7747	19.04.8	H	9 12 „
18	22.512	19.68	82.4	22.71	81.9	.0289	.7718	19.03.1	H	10 12 „
19	20.042	19.89	82·6	22.45	82.3	.0324	.7689	19.01.5	H	11 12 „
20	18.807	19.95	82·9	22.48	82.5	.0333	.7692	19.01.5	H	Noon.
21	18.395	19.48	83.3	22.81	83.0	.0257	.7729	19.03.9	L	1 12 p. m.
22	18.738	19.26	83.3	22.95	83.1	.0221	.7744	19.05·0	L	2 12 „
23	19.150	18.98	83.5	22.93	83.6	.0174	.7742	19.05.6	L	3 12 „
Mar. 18th-Noon.	19.630	18.74	83.7	22.66	83.9	.0136	.7712	19.04.8	L	4 12 „
1	19.424	18.79	82.9	22.69	83.3	.0144	.7715	19.05.0	C	5 12 „
2	19.356	18.64	82.3	22.75	83.0	.0119	.7722	19.05.4	C	6 12 „
3	20.247	18.47	82.0	22.93	82.9	.0092	.7742	19.06.6	C	7 12 „
4	20.110	18.46	81.9	22.96	82.5	.0090	.7745	19.06.8	C	8 12 „
5	20.179	18·39	81.4	23.02	82.1	.0078	.7752	19.07.2	H	9 12 „
6	19.836	18.47	81.4	23·04	82.0	.0092	.7754	19.07.1	H	10 12 „
7	20.179	18.64	81.4	23.14	81.9	.0119	.7765	19.07.1	H	11 12 „
8	20.247	18.66	81.1	23.15	81.8	.0122	.7766	19.07.1	H	Midnight.
9	20.316	18.64	80.6	23.13	81.4	.0119	.7764	19.07.0	L	1 12 a. m.
10	20.522	18.57	80.4	23.16	81.3	.0108	.7767	19.07.4	L	2 12 „
11	20.385	18.49	80.3	23.19	81.0	.0095	.7770	19.07.6	L	3 12 „
12	20.453	18.56	79.7	23.20	80.8	.0106	.7772	19.07.5	L	4 12 „
13	20.385	18.64	79.0	23.22	80.8	.0119	.7774	19.07.4	C	5 12 „
14	19.699	18.68	79.1	23.29	80.4	.0125	.7781	19.07.6	C	6 12 „
15	20.590	18.71	79.0	23.55	80.0	.0131	.7810	19.08.8	C	7 12 „
16	21.208	19.15	79.7	23.46	80.2	.0202	.7800	19.07.5	C	8 12 „
17	22.237	19.41	80.9	23.28	81.0	.0246	.7780	19.06.0	H	9 12 „
18	21.758	19.76	82.5	22.96	82.0	.0303	.7745	19.04.1	H	10 12 „
19	20.728	20.05	83.8	22.72	82.9	.0350	.7719	19.02.3	H	11 12 „
20	19.424	20.00	84.4	22·59	83.6	.0342	.7704	19.01.9	H	Noon.
21	18.670	19·77	84.8	22.96	84.0	.0305	.7745	19.04.0	L	1 12 p. m.
22	19.699	19.22	85.0	23·09	84.5	.0214	.7759	19.05.8	L	2 12 „
23	20.385	19.08	85.0	23·06	85.2	.0191	.7756	19.05.9	L	3 12 „

On the 18th, at about 19h., Dip as obtained by Observation was 19°10′0.

DAILY OBSERVATIONS FROM 19TH TO 22ND MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 19th-Noon.	20°933	19.12	85°1	23.01	85°7	8.0197	2.7751	19°05′6	L	4 12 p. m.
1	20.453	18.86	84.7	22.81	85.4	.0155	.7729	19.05.2	C	5 12 „
2	20.385	18.88	83·9	22.72	85.0	.0158	.7719	19.04.8	C	6 12 „
3	20·247	18·73	83.4	22.84	84.6	.0134	.7732	19.05.7	C	7 12 „
4	20.042	18.78	83.2	22.85	84.6	.0142	.7733	19.05.7	C	8 12 „
5	20.042	18.74	83.2	22.90	84.1	.0136	.7739	19.05.9	H	9 12 „
6	20.110	18.64	83.0	22.96	83.8	.0119	.7745	19.06.4	H	10 12 „
7	20.110	18.77	82.5	23.01	83.8	.0141	.7751	19.06.4	H	11 12 „
8	19.973	18.80	82·5	22.95	83.2	.0145	.7744	19.05 9	H	Midnight.
9	19.973	18.80	82.9	23.04	82.9	.0149	.7754	19.05.3	L	1 12 a. m.
10	20.385	18.56	82.1	23.02	82.4	.0106	.7752	19.06.8	L	2 12 „
11	20.179	18.74	81.3	23.05	82.2	.0136	.7755	19.06.6	L	3 12 „
12	20.316	18·77	81.0	23.08	82.0	.0141	.7758	19.06.7	L	4 12 „
13	19.561	18.62	80.9	23.07	81.8	.0115	.7757	19.06.9	C	5 12 „
14	20.522	18.74	80.0	23.15	81.6	.0136	.7766	19.06.9	C	6 12 „
15	21.276	18.69	79.7	23.23	81.0	.0127	.7775	19.07.4	C	7 12 „
16	22.237	19.05	83.3	23.16	81.1	.0146	.7767	19.06.3	C	8 12 „
17	22.991	19.45	81.5	22.82	81.9	.0252	.7730	19.04.1	H	9 12 „
18	22.718	19.86	83.4	22.62	83.0	.0319	.7708	19.02.3	H	10 12 „
19	21.482	20.04	85.0	22.36	84.0	.0349	.7679	19.00.7	H	11 12 „
20	19.218	19.93	86.0	22.30	85.0	.0330	.7673	19.00.8	H	Noon.
21	17.846	19.75	86.7	22.28	85.9	.0301	.7670	19.01.1	L	1 12 p. m.
22	18.464	19.44	86.6	22.69	86.2	.0251	.7715	19.03.5	L	2 12 „
23	20.042	19.25	86.7	22.84	86.7	.0219	.7732	19.04.5	L	3 12 „
Mar. 21st-Noon.	21.276	19.25	86.6	22.71	86.9	.0219	.7718	19.04.0	C	4 12 „
1	20.385	19.15	85.9	22.60	86.5	·0202	.7706	19.04·9	C	5 12 „
2	19.836	19.03	84.9	22.73	85·9	.0183	.7720	19.04.7	C	6 12 „
3	19.836	18.95	84.4	22.81	85.2	.0169	.7729	19.05.1	C	7 12 „
4	19.973	18.87	84·0	22.86	85.0	.0157	.7734	19.05.4	C	8 12 „
5	20.385	18.72	83.6	22.91	84.3	.0132	.7740	19.06.1	H	9 12 „
6	20.042	18.79	83.4	22.98	84.0	.0144	.7747	19.06.3	H	10 12 „
7	20.728	18.78	82.5	22.96	83.8	.0142	.7745	19.06.2	H	11 12 „
8	20.316	18.81	82.4	23.04	83.1	.0147	.7754	19.06.3	H	Midnight.
9	20·247	18.79	82.3	23.04	83.0	.0144	.7754	19.06.5	L	1 12 a. m.
10	20.042	18.84	82.4	23.04	83.0	.0152	.7754	19.06.3	L	2 12 „
11	20.522	18.75	82.0	23.08	82.6	.0137	.7758	19.06.7	L	3 12 „
12	20.453	18.73	80.9	23.08	82.1	.0134	.7758	19.06.8	L	4 12 „
13	20.042	18.77	81.0	23.10	82.0	.0131	.7761	19.06.8	C	5 12 „
14	20.453	18.84	80.5	23.25	81.6	.0152	.7777	19.07.2	C	6 12 „
15	21.895	18.93	79.7	23.29	81.1	.0166	.7770	19.06.7	C	7 12 „
16	23.198	19.52	81.3	23.08	81.8	.0263	.7758	19.05.1	C	8 12 „
17	23.335	19.99	82.5	22.65	82.4	.0340	.7711	19.02.2	H	9 12 „
18	21.895	20.47	83.9	22.21	83.4	.0420	.7663	18.59.2	H	10 12 „
19	20.453	20.48	85.1	22.03	84.3	.0421	.7643	18.58.5	H	11 12 „
20	18.670	20.20	86.4	22.22	85.5	.0375	.7664	18.59.8	H	Noon.
21	18.258	20.03	87.3	22.49	86.4	.0347	.7693	19.01.3	L	1 12 p. m.
22	18.875	19.76	87.8	22.72	87·5	.0303	.7719	19.03.0	L	2 12 „
23	19.904	19.51	87.9	22.82	87.9	.0262	.7730	19.04.0	L	3 12 „
Mar. 22nd-Noon.	20.590	19.27	87.4	22.58	87.9	.0223	.7703	19.03.4	H	4 12 „
1	20·796	18.99	86.4	22.39	87.3	.0176	.7682	19·03.1	C	5 12 „
2	20.247	18.88	85·2	22.34	86.3	.0158	.7677	19.03.2	C	6 12 „
3	20.385	18.79	84.9	22.48	86.0	.0144	.7692	19.04.0	C	7 12 „
4	20.453	18.68	84.7	22.52	85.5	.0125	.7697	19.04.4	C	8 12 „
5	20.247	18.70	84.5	22.51	85.0	.0129	.7696	19.04.3	H	9 12 „
6	20.796	18.70	83.4	22.63	85.0	.0129	.7709	19.04.8	H	10 12 „
7	20.728	18·61	83.6	22.68	84.8	.0114	.7714	19.05.3	H	11 12 „
8	20.728	18.62	83.8	22.68	84.3	.0115	.7714	19.05.1	H	Midnight.
9	20.659	18.55	83.5	22.70	84·0	.0104	.7717	19.05.6	L	1 12 a. m.
10	20.179	18.74	83.0	22.65	83.5	.0136	.7711	19.04.8	L	2 12 „
11	20.042	18.77	82.8	22.65	83.4	·0141	.7711	19.04.8	L	3 12 „

On the 19th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 22ND TO 24TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar. 22nd—12	19°836	18.80	82°7	22.71	83°0	8.0145	2.7718	19°04'9	L	4 12 a. m.
13	19.973	18.80	82.3	22.84	83.0	.0145	.7732	19.05.4	C	5 12 „
14	20.385	18.91	81.9	22.93	82.7	.0163	.7742	19.05.7	C	6 12 „
15	21.482	18.92	81.0	22.86	82.1	.0164	.7734	19.05.4	C	7 12 „
16	21.895	19.24	81.3	22.85	82.3	.0218	.7733	19.04.6	C	8 12 „
17	21.276	19.58	82.4	22.60	82.7	.0273	.7706	19.02.9	L	9 12 „
18	20.247	20.03	83.9	22.39	83.7	.0347	.7682	19.00.8	L	10 12 „
19	18.670	20.76	85.5	22.17	84.9	.0467	.7658	18.58.5	L	11 12 „
20	17.709	20.52	86.7	22.35	85.7	.0427	.7678	18.59.7	L	Noon.
21	18.395	20.08	87.3	22.70	86.5	.0355	.7717	19.02.2	H	1 12 p. m.
22	18.327	19.81	87.6	22.65	87.1	.0311	.7711	19.02 6	H	2 12 „
23	19.699	19.43	87.5	22.67	87.6	.0249	.7713	19.03.4	H	3 12 „
Mar.23rd-Noon.	20.110	19.39	87.0	22.58	87.6	.0242	.7703	19.03.2	H	4 12 „
1	19.767	19.24	86.1	22.47	87.1	.0218	.7691	19.02.9	C	5 12 „
2	19.699	19.05	85.1	22.52	86.2	.0186	.7697	19.03.6	C	6 12 „
3	19.561	19.00	84.9	22.63	85.6	.0178	.7709	19.04.2	C	7 12 „
4	19.699	18.94	84.6	22.68	85.2	.0168	.7714	19.04.5	C	8 12 „
5	19.904	18.97	84.3	22.64	85.0	.0173	.7710	19.04.4	H	9 12 „
6	19.561	19.03	84.1	22.59	84.7	.0183	.7704	19.04.0	H	10 12 „
7	19.904	19.07	83.9	22.73	84.4	.0190	.7720	19.04.5	H	11 12 „
8	19.904	19.27	83.8	22.77	84.1	.0223	.7724	19.04.2	H	Midnight.
9	20.042	19.23	83.2	22.76	83.8	.0216	.7723	19.04.2	L	1 12 a. m.
10	19.836	19.26	82.9	22.73	83.5	.0221	.7720	19.04.1	L	2 12 „
11	19.973	19.22	82.8	22.84	83.3	.0214	.7732	19.04.7	L	3 12 „
12	19.973	19.33	82.5	22.74	83.0	.0232	.7721	19.04.0	L	4 12 „
13	19.699	19.29	82.0	22.82	82.8	.0226	.7730	19.04.4	C	5 12 „
14	19.973	19.54	82.0	22.92	82.8	.0267	.7741	19.04.3	C	6 12 „
15	21.071	19.53	82.2	22.87	82.4	.0265	.7735	19.04.1	C	7 12 „
16	21.619	19.84	82.9	22.68	82.7	.0306	.7714	19.02.5	C	8 12 „
17	21.415	20.48	83.7	22.41	83.0	.0421	.7685	19.01.1	L	9 12 „
18	20.659	20.79	84.6	22.26	83.7	.0472	.7668	18.58.8	L	10 12 „
19	19.081	20.95	85.6	22.01	84.4	.0497	.7641	18.57.4	L	11 12 „
20	18.258	20.72	86.6	22.15	85.5	.0460	.7656	18.58.6	L	Noon.
21	19.218	20.28	87.0	22.47	86.3	.0388	.7691	19.00.7	H	1 12 p. m.
22	19.904	19.52	87.3	22.56	86.9	.0363	.7701	19.01.5	H	2 12 „
23	21.002	19.51	87.5	22.56	87.1	.0362	.7701	19.01.5	H	3 12 „
Mar.24th-Noon.	20.071	19.23	87.2	22.49	87.1	.0216	.7692	19.02.9	C	4 12 „
1	20.042	19.44	86.9	22.27	86.6	.0251	.7669	19.01.6	C	5 12 „
2	19.356	19.11	86.0	22.33	86.1	.0196	.7676	19.02.6	C	6 12 „
3	19.630	19.03	85.4	22.48	85.1	.0183	.7692	19.03.5	C	7 12 „
4	19.493	18.95	85.0	22.58	84.2	.0169	.7703	19.04.1	C	8 12 „
5	19.561	18.86	84.5	22.62	84.0	.0155	.7708	19.04.4	H	9 12 „
6	20.110	18.83	84.1	22.66	83.6	.0150	.7712	19.04.6	H	10 12 „
7	20.385	18.86	84.0	22.72	83.3	.0155	.7719	19.04.8	H	11 12 „
8	20.522	18.90	83.8	22.75	83.2	.0161	.7722	19.04.9	H	Midnight.
9	20.179	18.88	83.4	22.75	83.0	.0158	.7722	19.04.9	L	1 12 a. m.
10	20.247	18.88	83.4	22.79	83.0	.0158	.7726	19.05.0	L	2 12 „
11	20.316	18.90	83.0	22.83	82.9	.0161	.7731	19.05.3	L	3 12 „
12	20.590	18.96	82.9	22.80	82.6	.0171	.7728	19.05.1	L	4 12 „
13	20.659	19.17	82.7	22.90	82.6	.0206	.7739	19.05.1	C	5 12 „
14	20.247	19.51	82.7	22.90	82.6	.0262	.7739	19.04.3	C	6 12 „
15	20.728	19.41	82.4	22.92	82.2	.0246	.7741	19.04.5	C	7 12 „
16	21.071	19.92	82.8	22.76	82.6	.0327	.7723	19.02.8	C	8 12 „
17	20.385	20.63	83.4	22.55	83.0	.0445	.7700	19.00.3	L	9 12 „
18	19.836	20.82	84.6	22.49	83.7	.0476	.7693	18.59.7	L	10 12 „
19	18.601	20.90	85.6	22.31	84.4	.0489	.7674	18.58.7	L	11 12 „
20	18.189	20.51	86.5	22.45	85.5	.0426	.7689	19.00.1	L	Noon.
21	17.915	20.21	87.0	22.52	86.1	.0377	.7697	19.01.2	H	1 12 p. m.
22	18.875	20.13	87.3	22.82	86.8	.0363	.7730	19.02.7	H	2 12 „
23	20.247	19.84	87.3	22.84	87.1	.0316	.7732	19.03.2	H	3 12 „

DAILY OBSERVATIONS FROM 25TH TO 28TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Mar.25th-Noon.	20°728	19.66	87°0	22.59	87°3	8.0286	2.7704	19°02'5	H	4 12 p. m
1	20.110	19.47	86.3	22.36	87.0	.0255	.7679	19.01.9	C	5 12 „
2	18.738	19.50	85.6	22.26	86.5	.0260	.7663	19.01.5	C	6 12 „
3	19.013	19.25	85.3	22.48	86.1	.0219	.7692	19.02.9	C	7 12 „
4	18.944	19.13	85.0	22.48	85.7	.0199	.7692	19 03.2	C	8 12 „
5	19.013	19.14	85.0	22.49	85.0	.0201	.7693	19.03.3	H	9 12 „
6	19.424	18.90	84.8	22.58	84.9	.0162	.7703	19.04.2	H	10 12 „
7	19.630	19.03	84.6	22.58	84.7	.0183	.7703	19.04.0	H	11 12 „
8	19.836	18.93	84.2	22.68	84.7	.0166	.7714	19.04.5	H	Midnight.
9	19.699	18.95	83.8	22.68	84.4	.0169	.7714	19.04.5	L	1 12 a. m.
10	19.424	19.15	83.1	22.67	83.5	.0202	.7713	19.04.1	L	2 12 „
11	19.424	19.22	82.9	22.64	83.4	.0214	.7710	19.03.9	L	3 12 „
12	19.287	19.21	82.7	22.64	83.0	.0213	.7710	19.03.9	L	4 12 „
13	19.356	19.33	82.9	22.72	83.2	.0232	.7719	19.03.9	C	5 12 „
14	20.042	19.17	82.5	22.88	83.2	.0206	.7736	19.04.9	C	6 12 „
15	21.002	19.15	82.7	22.89	83.0	.0202	.7737	19.05.1	C	7 12 „
16	20.933	19.52	83.0	22.78	83.0	.0263	.7721	19.03.6	C	8 12 „
17	21.345	20.00	84.0	22.55	83.6	.0342	.7700	19.01.6	L	9 12 „
18	20.385	20.40	85.2	22.25	84.3	.0408	.7667	18.59.6	L	10 12 „
19	18.395	20.49	86.4	22.04	85.4	.0423	.7644	18.58.5	L	11 12 „
20	17.572	20.45	87.4	22.21	86.4	.0416	.7663	18.59.2	L	Noon.
21	17.709	20.15	87.9	22.49	87.1	.0366	.7693	19.01.1	H	1 12 p. m.
22	18.670	19.86	88.1	22.68	87.7	.0319	.7714	19.02.5	H	2 12 „
23	19.973	19.62	88.1	22.70	88.0	.0279	.7717	19.03.3	H	3 12 „
Mar.26th-Noon.	20.110	19.52	88.0	22.54	88.0	.0263	.7699	19.02.7	H	4 12 „
1	19.424	19.33	87.2	22.34	87.2	.0232	.7677	19.02.3	C	5 12 „
2	19.081	19.21	86.5	22.38	86.5	.0213	.7681	19.02.7	C	6 12 „
3	19.356	19.08	85.9	22.49	86.0	.0190	.7693	19.03.4	C	7 12 „
4	19.493	19.07	85.1	22.61	85.3	.0190	.7707	19.04.0	C	8 12 „
5	19.424	18.97	84.9	22.64	84.5	.0173	.7710	19.04.4	H	9 12 „
6	19.424	18.92	84.4	22.71	84.1	.0164	.7718	19.04.8	H	10 12 „
7	20.316	18.99	84.0	22.72	84.0	.0176	.7719	19.04.6	H	11 12 „
8	20.316	19.04	83.8	22.71	83.8	.0185	.7718	19.04.4	H	Midnight.
9	20.110	19.00	83.4	22.76	83.6	.0178	.7723	19.04.8	L	1 12 a. m.
10	19.904	18.98	82.9	22.80	83.4	.0174	.7728	19.05.1	L	2 12 „
11	19.699	19.04	82.6	22.78	83.2	.0185	.7725	19.04.7	L	3 12 „
12	19.493	19.08	82.3	22.81	83.0	.0191	.7729	19.04.8	L	4 12 „
13	19.904	19.18	82.1	22.84	83.0	.0207	.7732	19.04.7	C	5 12 „
14	20.590	19.15	82.0	23.03	83.0	.0202	.7753	19.05.7	C	6 12 „
15	22.032	19.34	82.0	22.91	82.7	.0234	.7740	19.04.8	C	7 12 „
16	22.032	19.36	82.7	22.57	83.0	.0237	.7702	19.03.1	C	8 12 „
17	21.139	19.84	83.5	22.18	83.2	.0316	.7659	19.00.4	L	9 12 „
18	19.493	20.04	84.1	21.97	83.8	.0349	.7636	18.59.1	L	10 12 „
19	18.464	20.15	85.0	21.85	84.4	.0366	.7623	18.58.4	L	11 12 „
20	17.023	19.96	86.0	21.99	85.5	.0335	.7638	18.59.4	L	Noon.
21	17.092	19.86	86.6	22.24	86.2	.0319	.7666	19.00.7	H	1 12 p. m.
22	18.189	19.48	87.0	22.51	86.9	.0257	.7696	19.02.6	H	2 12 „
23	19.699	19.24	87.1	22.62	87.3	.0218	.7708	19.03.6	H	3 12 „
Mar.28th-Noon.	19.561	18.48	85.6	22.40	86.8	.0093	.7684	19.04.3	H	4 12 „
1	19.218	18.73	84.0	22.35	85.7	.0134	.7678	19.03.6	C	5 12 „
2	18.738	18.66	83.0	22.39	85.0	.0122	.7682	19.03.8	C	6 12 „
3	19.287	18.72	82.4	22.67	84.0	.0132	.7713	19.05.0	C	7 12 „
4	19.767	18.52	82.0	22.69	83.9	.0099	.7715	19.05.5	C	8 12 „
5	19.904	18.46	81.7	22.79	83.2	.0090	.7726	19.06.0	H	9 12 „
6	20.110	18.60	81.4	22.79	82.9	.0112	.7726	19.06.8	H	10 12 „
7	20.247	18.78	81.4	22.78	82.7	.0142	.7725	19.05.4	H	11 12 „
8	20.179	18.82	81.0	22.88	82.4	.0148	.7736	19.05.6	H	Midnight.
9	20.590	18.92	80.7	22.82	82.2	.0164	.7730	19.05.3	L	1 12 a. m.
10	20.659	18.93	80.5	22.83	81.6	.0166	.7731	19.05.2	L	2 12 „
11	20.385	19.13	80.2	22.77	81.3	.0199	.7724	19.04.5	L	3 12 „

DAILY OBSERVATIONS FROM 28TH TO 30TH MARCH 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
MAR. 28TH—12	20·179	19.24	80·0	22.85	81·0	8.0218	2.7733	19°04′6	L	4 12 a. m.
13	20.042	19.22	79.8	22.95	81.0	.0214	.7744	19.05.2	C	5 12 „
14	20.453	19.16	79.2	23.02	80.6	.0204	.7752	19.05.6	C	6 12 „
15	21.036	19.27	79.0	23.03	80.0	.0223	.7753	19.05.4	C	7 12 „
16	21.208	19.89	79.7	22.81	80.3	.0324	.7729	19.03.1	C	8 12 „
17	21.482	20.33	80.7	22 58	81.0	.0396	.7703	19.01.1	L	9 12 „
18	21.208	19.94	82.1	22.26	81.9	.0332	.7668	19.00.6	L	10 12 „
19	20.042	18.36	82.7	22.07	82.4	.0073	.7647	19.03.3	L	11 12 „
20	20.179	17.66	83.6	21.80	83.1	7.9958	.7618	19.03.5	L	Noon.
21	19.973	17.17	84.2	22.39	84.0	.9878	.7682	19.07.0	H	1 12 p. m.
22	21.345	17.28	84.9	22.78	84.8	.9863	.7725	19.09.0	H	2 12 „
23	21.895	17.19	84.9	22.80	85.0	.9881	.7728	19.09.9	H	3 12 „
MAR. 29TH—Noon.	21.758	17.04	84.6	22·31	85.2	.9857	.7674	19.06.9	H	4 12 „
1	20.522	17.40	83.8	22.13	84.9	.9916	.7654	19.05.4	C	5 12 „
2	20.453	17.15	83.2	22.25	84.4	.9874	.7667	19.06.6	C	6 12 „
3	21.139	16.81	83.0	22.48	84.0	.9819	.7692	19.08.1	C	7 12 „
4	21.619	17.01	82.9	22.46	83.8	.9852	.7690	19.07.7	C	8 12 „
5	21.002	17.29	82.8	22.55	83.7	.9898	.7700	19.07.5	H	9 12 „
6	21.208	17.06	82.7	22.56	83.5	.9860	.7701	19.08.0	H	10 12 „
7	22.101	17.55	82.5	22.55	83.1	.9940	.7700	19.08·3	H	11 12 „
8	20.933	17.57	82.1	22.49	83.0	.9944	.7693	19.07.7	H	Midnight.
9	20.453	17.95	82.0	22.46	83.0	8.0005	.7690	19.05.7	L	1 12 a.m.
10	20.522	18.17	81.8	22.60	82.8	.0042	.7706	19.05.9	L	2 12 „
11	20.590	17.98	81.5	22.66	82.6	.0010	.7712	19.06.5	L	3 12 „
12	20.590	18.02	81.2	22.69	82.4	.0017	.7715	19.06.5	L	4 12 „
13	20.179	18.04	81.0	22.64	82.1	.0021	.7710	19.06.3	C	5 12 „
14	20.796	18.12	80.8	23.01	81.9	.0033	.7751	19.07.8	C	6 12 „
15	21.415	18.31	80.9	22.85	81.5	.0065	.7733	19.06.6	C	7 12 „
16	21.619	18.55	81.6	22.63	82.0	.0104	.7709	19.05.2	C	8 12 „
17	20.933	18.56	82.5	22.32	82.3	.0106	.7675	19.03.8	L	9 12 „
18	19.973	19.27	83 4	22.24	83.0	.0223	.7666	19.01.9	L	10 12 „
19	18.052	19.60	84.4	22.09	83.8	.0276	.7649	19.00.6	L	11 12 „
20	17.229	19.46	85.2	22.14	84.5	.0254	.7655	19.01.2	L	Noon.
21	17.641	19.20	86.2	22.42	85.9	.0211	.7686	19.02.9	H	1 12 p.m.
22	18.327	19.04	86.6	22.41	86.6	.0185	.7685	19.02.1	H	2 12 „
23	18.807	18.89	86.7	22.44	87.0	.0160	.7688	19.03.6	H	3 12 „
MAR. 30TH—Noon.	19.973	18.74	86.4	22.42	87.7	.0136	.7686	19.03.8	H	4 12 „
1	20.522	18.50	85.3	22.39	86.4	.0096	.7682	19.04.1	C	5 12 „
2	21.758	18.57	84.6	22.46	85.9	.0108	.7690	19.04.4	C	6 12 „
3	20.385	18.34	84.0	22.40	85.2	.0070	.7684	19.04.6	C	7 12 „
4	20.316	18.26	83.8	22.43	84.9	.0057	.7687	19.04.9	C	8 12 „
5	20.659	18.41	83.5	22.46	84.5	.0082	.7690	19.04.8	H	9 12 „
6	20.933	18.39	83.4	22.58	84.1	.0078	.7703	19.05.3	H	10 12 „
7	20.796	18.25	83.0	22.58	84.0	.0055	.7703	19.05.5	H	11 12 „
8	20.728	18.17	82.5	22.54	83.6	.0042	.7699	19.05.6	H	Midnight.
9	20.385	18.22	82.0	22.59	83.1	.0050	.7704	19.05.6	L	1 12 a.m.
10	20.865	18.29	81.6	22.64	83.0	.0062	.7710	19.05.8	L	2 12 „
11	20.316	18.36	81.6	22.64	82.9	.0073	.7710	19.05.7	L	3 12 „
12	20.453	18.38	81.4	22.73	82.5	.0076	.7720	19.06.0	L	4 12 „
13	19.973	18.37	81.2	22.73	82.5	.0075	.7720	19.06.0	C	5 12 „
14	20.385	18.56	81.0	22.85	82.2	.0106	.7733	19.06.1	C	6 12 „
15	21.963	18.77	81.1	23.00	82.0	.0141	.7750	19.06.4	C	7 12 „
16	22.991	19.04	82.0	22.88	82.2	.0185	.7736	19.05.1	C	8 12 „
17	23.060	19.38	82.9	22.53	82.6	.0240	.7698	19.03.0	L	9 12 „
18	22.168	19.73	83.0	22.11	82.9	.0298	.7652	19.00.4	L	10 12 „
19	20.042	19.79	83.8	21.86	83.6	.0308	.7624	18.59.2	L	11 12 „
20	18.395	19.80	84.5	21.90	84.1	.0309	.7629	18.59.4	L	Noon.
21	17.984	19.79	85.4	22.03	85.0	.0308	.7643	19.00.0	H	1 12 p.m.
22	18.052	19.54	85.7	22.23	85.7	.0267	.7665	19.01.3	H	2 12 „
23	18.875	19.29	85.8	22.34	86.0	.0226	.7677	19.02.3	H	3 12 „

On the 29th, at about 19h., Dip as obtained by Observation was 19°20·9.

DAILY OBSERVATIONS FROM 31st MARCH TO 4th APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	° ′							° ′		h. m.
Mar. 31st-Noon.	19·218	19.10	85°5	22.24	86°1	8.0194	2.7666	19°02′3	H	4 12 p. m.
1	19.424	19.00	84.9	22.24	86.0	.0178	.7666	19.02.5	C	5 12 ,,
2	19.561	18.75	83.9	22.37	85.1	.0137	.7680	19.03.6	C	6 12 ,,
3	19.699	18.48	83.1	22.44	84.4	.0093	.7688	19.04.5	C	7 12 ,,
4	19.561	18.56	82.9	22.46	84.0	.0106	.7690	19.04.4	C	8 12 ,,
5	20.042	18.52	82.5	22.58	83.9	.0099	.7703	19.05.0	H	9 12 ,,
6	20.453	18.60	82.4	22.60	83.3	.0112	.7706	19.05 0	H	10 12 ,,
7	20.247	18.80	82.1	22.57	83.1	.0145	.7702	19.04.2	H	11 12 ,,
8	20.659	18.71	82.0	22.64	83.0	.0131	.7710	19.04.9	H	Midnight.
9	20.728	18.57	81.8	22.63	82.6	.0108	.7709	19.05.1	L	1 12 a. m.
10	20.453	18.63	81.4	22.63	82.4	.0117	.7709	19.04.9	L	2 12 ,,
11	20.453	18.66	81.3	22.65	82.3	.0122	.7711	19.05.0	L	3 12 ,,
12	20.179	18.77	81.2	22.71	82.1	.0142	.7718	19.05.1	L	4 12 ,,
13	19.973	18.83	81.1	22.68	82.1	.0150	.7714	19.04.7	C	5 12 ,,
14	19.973	18.99	81.0	22.78	82.0	.0176	.7725	19.04.9	C	6 12 ,,
15	21.345	18.87	80.9	22.93	81.8	.0157	.7742	19.05.7	C	7 12 ,,
16	22.237	19.15	81.5	22.73	82.0	.0202	.7720	19.04.4	C	8 12 ,,
17	22.718	19.63	82.4	22.40	82.5	.0281	.7684	19.01.9	L	9 12 ,,
18	22.237	19.73	83.5	22.20	83.3	.0298	.7662	19.00.7	L	10 12 ,,
19	21.002	19.85	84.2	22.02	84.0	.0317	.7642	18.59.7	L	11 12 ,,
20	20.247	19.91	85.1	22.09	84.8	.0327	.7649	18.59.9	L	Noon. p. m.
21	19.973	19.75	85.6	22.22	85.5	.0301	.7664	19.00.8	H	1 12
22	20.042	19.57	85.8	22.23	86.0	.0272	.7665	19.01.3	H	2 12 ,,
23	20.179	19.37	85.9	22.26	86.5	.0239	.7668	19.01.8	H	3 12 ,,
Apr. 2nd-Noon.	19.561	18.92	84.8	22.30	86.0	.0164	.7923	19.12.8	C	4 12 ,,
1	19.630	18.71	84.2	22.25	85.4	.0131	.7917	19.13.0	C	5 12 ,,
2	20.110	18.84	83.5	22.25	85.0	.0152	.7917	19.12.7	L	6 12 ,,
3	20.042	18.83	83.1	22.34	84.4	.0150	.7927	19.13.1	L	7 12 ,,
4	19.973	18.75	83.0	22.42	84.0	.0137	.7936	19.13.6	L	8 12 ,,
5	20.316	19.31	82.9	22.38	83.9	.0229	.7931	19.12.2	L	9 12 ,,
6	20.453	18.77	82.9	22.46	83.6	.0141	.7940	19.13.8	C	10 12 ,,
7	20.385	18.62	82.5	22.45	83.2	.0115	.7939	19.13.9	C	11 12 ,,
8	20.659	18.60	82.2	22.51	83.0	.0112	.7946	19.14.4	C	Midnight.
9	20.796	18.80	82.0	22.53	82.8	.0145	.7948	19.13.9	H	1 12 a.m.
10	20.590	18.87	81.9	22.54	82.5	.0157	.7949	19.13.8	H	2 12 ,,
11	20.453	18.76	81.8	22.61	82.4	.0139	.7957	19.14.5	H	3 12 ,,
12	20.247	18.72	81.6	22.56	82.1	.0132	.7951	19.14.3	H	4 12 ,,
13	19.836	18.94	81.2	22.64	82.0	.0168	.7960	19.14.1	L	5 12 ,,
14	20.247	18.68	80.6	22.78	81.4	.0125	.7975	19.15.2	L	6 12 ,,
15	21.345	18.76	80.5	22.82	81.3	.0139	.7980	19.15.3	L	7 12 ,,
16	22.101	19.12	81.2	22.65	81.6	.0197	.7961	19.13.7	L	8 12 ,,
17	21.963	19.77	82.7	22.20	82.6	.0305	.7912	19.10.4	C	9 12 ,,
18	21.345	19.89	83.8	22.00	83.2	.0324	.7890	19.09.4	C	10 12 ,,
19	20.796	19.97	85.0	22.06	84.1	.0337	.7896	19.09.4	C	11 12 ,,
20	19.561	19.93	85.2	22.08	84.8	.0330	.7898	19.09.6	C	Noon.
21	19.287	19.67	85.6	22.31	85.4	.0288	.7924	19.12.1	H	1 12 p.m.
22	19.356	19.55	85.6	22.47	85.7	.0268	.7941	19.12.1	H	2 12 ,,
23	19.836	19.21	85.3	22.55	85.8	.0213	.7950	19 13.3	H	3 12 ,,
Apr. 4th-Noon.	19.836	19.21	86.0	22.44	86.6	.0213	.7938	19.12.8	L	4 12 ,,
1	19.699	19.15	85.4	22.40	86.1	.0202	.7934	19.12.7	L	5 12 ,,
2	19.630	19.07	84.4	22.48	85.4	.0190	.7942	19.13.1	L	6 12 ,,
3	19.699	18.88	84.0	22.50	85.0	.0158	.7945	19.13.7	L	7 12 ,,
4	19.699	18.96	83.7	22.49	84.7	.0171	.7943	19.13.5	L	8 12 ,,
5	19.836	19.00	83.6	22.53	84.5	.0178	.7948	19.13.6	C	9 12 ,,
6	19.973	18.90	83.5	22.58	84.5	.0161	.7953	19.14.0	C	10 12 ,,
7	20.110	18.84	83.5	22.60	84.1	.0152	.7956	19.14.2	C	11 12 ,,
8	20.453	18.84	83.5	22.63	84.1	.0150	.7959	19.14.3	C	Midnight.
9	20.316	18.82	83.5	22.62	84.0	.0148	.7958	19.14.3	H	1 12 a. m.
10	20.385	18.91	83.3	22.62	83.9	.0163	.7958	19.14.2	H	2 12 ,,
11	20.110	18.93	83.0	22.59	83.7	.0166	.7954	19.13.9	H	3 12 ,,

On the 2nd, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 4TH TO 6TH APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	° ′							° ′		h. m.
Apr. 4th—12	19 56.1	18.94	82.6	22.55	83.4	8.0168	2.7950	19 13.8	H	4 12 p.m.
13	19.904	18.92	82.2	22.74	83.2	.0164	.7971	19.14.6	L	5 12 „
14	20.316	18.88	82.0	22.90	82.8	.0158	.7989	19.15.3	L	6 12 „
15	21.895	18.98	82.3	22.91	82.9	.0174	.7990	19.15.3	L	7 12 „
16	22.718	19.25	83.0	22.71	83.1	.0219	.7968	19.13.7	L	8 12 „
17	22.991	19.69	84.0	22.39	83.8	.0291	.7932	19.11.4	C	9 12 „
18	21.963	19.99	84.9	22.04	84.5	.0340	.7894	19.09.3	C	10 12 „
19	20.179	20.06	85.6	21.81	85.4	.0352	.7869	19.08.1	C	11 12 „
20	18.052	19.94	86.2	21.73	86.0	.0332	.7860	19.08.1	C	Noon.
21	17.572	19.88	87.0	21.93	86.7	.0322	.7882	19.09.0	H	1 12 p.m.
22	18.258	19.69	87.0	22.21	87.1	.0291	.7913	19.10.7	H	2 12 „
23	19.287	19.44	87.1	22.38	87.6	.0251	.7931	19.11.9	H	3 12 „
Apr. 5th-Noon.	19.836	19.08	87.0	22.41	87.6	.0191	.7935	19.12.9	H	4 12 „
1	20.179	18.97	86.3	22.34	87.2	.0173	.7927	19.12.9	L	5 12 „
2	20.042	18.86	85.4	22.28	86.6	.0155	.7920	19.12.7	L	6 12 „
3	20.247	18.81	85.2	22.35	86.4	.0147	.7928	19.13.1	L	7 12 „
4	19.973	18.94	84.7	22.33	86.0	.0168	.7926	19.12.8	L	8 12 „
5	19.630	18.92	84.5	22.37	85.8	.0164	.7930	19.13.1	C	9 12 „
6	19.767	18.91	84.1	22.45	85.7	.0163	.7939	19.13.4	C	10 12 „
7	19.973	18.96	84.4	22.45	85.5	.0171	.7939	19.13.3	C	11 12 „
8	20.110	18.96	84.1	22.50	85.1	.0171	.7945	19.13.6	C	Midnight.
9	20.453	18.85	83.7	22.54	84.5	.0153	.7949	19.13.9	H	1 12 a.m.
10	20.179	18.95	83.6	22.49	84.4	.0169	.7943	19.13.5	H	2 12 „
11	20.110	18.91	83.0	22.52	83.9	.0163	.7947	19.13.8	H	3 12 „
12	20.042	18.86	82.1	22.51	83.3	.0155	.7946	19.13.7	H	4 12 „
13	20.316	18.92	81.7	22.58	83.2	.0164	.7953	19.14.0	L	5 12 „
14	20.522	18.79	81.3	22.64	82.9	.0144	.7960	19.14.5	L	6 12 „
15	21.619	18.85	80.9	22.71	82.4	.0153	.7968	19.14.6	L	7 12 „
16	22.101	19.32	82.0	22.64	83.0	.0230	.7960	19.13.3	L	8 12 „
17	22.032	19.72	83.8	22.35	83.8	.0296	.7928	19.11.2	C	9 12 „
18	20.796	19.96	85.0	21.99	84.8	.0335	.7888	19.09.1	C	10 12 „
19	19.218	20.19	86.7	21.71	85.9	.0373	.7858	19.07.6	C	11 12 „
20	17.503	19.99	87.4	21.75	86.6	.0324	.7862	19.08.2	C	Noon.
21	17.366	19.91	87.7	21.94	87.0	.0327	.7883	19.09.0	H	1 12 p. m.
22	17.572	19.72	87.9	22.01	87.8	.0296	.7891	19.09.7	H	2 12 „
23	18.258	19.62	87.9	22.16	88.8	.0279	.7907	19.10.7	H	3 12 „
Apr. 6th-Noon.	19.081	19.39	87.6	22.04	88.5	.0242	.7894	19.10.6	H	4 12 „
1	19.767	19.22	86.9	22.24	87.9	.0214	.7916	19.11.9	L	5 12 „
2	20.247	19.09	86.0	22.24	87.4	.0193	.7916	19.12.1	L	6 12 „
3	20.385	19.06	85.6	22.22	86.8	.0188	.7914	19.12.0	L	7 12 „
4	19.904	19.10	85.3	22.24	86.5	.0194	.7916	19.12.1	L	8 12 „
5	19.836	19.05	85.0	22.26	86.3	.0186	.7918	19.12.2	C	9 12 „
6	19.973	19.04	84.9	22.31	86.0	.0185	.7924	19.12.4	C	10 12 „
7	19.836	19.12	84.9	22.36	85.8	.0197	.7929	19.12.5	C	11 12 „
8	20.110	19.04	84.5	22.39	85.4	.0185	.7932	19.12.7	C	Midnight.
9	20.110	19.08	84.5	22.40	85.1	.0191	.7934	19.12.8	H	1 12 a. m.
10	20.110	19.10	84.4	22.40	85.0	.0194	.7934	19.12.8	H	2 12 „
11	19.973	19.06	84.1	22.41	84.9	.0188	.7935	19.12.9	H	3 12 „
12	19.836	19.15	84.0	22.44	84.7	.0202	.7938	19.12.9	H	4 12 „
13	20.110	19.03	83.4	22.51	84.4	.0183	.7946	19.13.3	L	5 12 „
14	20.453	19.08	83.4	22.64	84.0	.0191	.7960	19.13.8	L	6 12 „
15	21.963	19.13	83.5	22.54	84.1	.0199	.7949	19.13.3	L	7 12 „
16	22.237	19.33	84.0	22.28	84.3	.0232	.7920	19.11.8	L	8 12 „
17	21.758	19.76	84.9	22.09	84.9	.0303	.7899	19.10.0	C	9 12 „
18	20.728	20.05	86.0	21.78	86.0	.0350	.7865	19.08.0	C	10 12 „
19	19.013	20.19	87.3	21.58	87.0	.0373	.7843	19.07.0	C	11 12 „
20	17.778	20.26	88.9	21.54	87.9	.0385	.7839	19.06.5	C	Noon.
21	17.572	20.11	89.4	21.72	88.9	.0360	.7859	19.07.7	H	1 12 p. m.
22	17.641	20.01	90.0	21.35	89.8	.0344	.7818	19.06.4	H	2 12 „
23	18.670	19.84	90.2	21.27	90.3	.0316	.7809	19.06.2	H	3 12 „

On the 5th, at about 19h., Dip as obtained by Observation was 18°52′8.

DAILY OBSERVATIONS FROM 7TH TO 9TH APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Apr. 7th-Noon.	19'356	19.67	90°0	21.23	90°4	8.0288	2.7807	19°06'6	H	4 12 p. m.
1	19.973	19.50	89.4	21.22	89.9	.0260	.7804	19.06.8	L	5 12 „
2	19.904	19.31	88.5	21.17	89.6	.0229	.7798	19.07.0	L	6 12 „
3	19.767	19.20	88.0	21.21	89.1	.0211	.7803	19.07.5	L	7 12 „
4	19.767	19.16	87.7	21.28	88.7	.0204	.7810	19.07.9	L	8 12 „
5	19.699	19.14	87.5	21.31	88.6	.0201	.7814	19.08.0	C	9 12 „
6	19.767	19.14	87.0	21.30	88.1	.0201	.7813	19.08.0	C	10 12 „
7	19.699	19.21	86.8	21.39	87.5	.0213	.7822	19.08.2	C	11 12 „
8	19.973	19.10	87.0	21.39	86.9	.0194	.7822	19.08.4	C	Midnight.
9	20.179	19.12	86.6	21.44	86.4	.0196	.7828	19.08.6	H	1 12 a. m.
10	20.247	19.18	86.4	21.45	86.0	.0207	.7829	19.08.5	H	2 12 „
11	20.110	19.13	86.0	21.49	85.9	.0199	.7833	19.08.8	H	3 12 „
12	20.110	19.12	85.7	21.57	85.5	.0196	.7842	19.09.1	H	4 12 „
13	20.385	19.10	85.3	21.57	85.2	.0194	.7842	19.09.2	L	5 12 „
14	20.933	19.19	85.0	21.77	85.0	.0209	.7864	19.09.8	L	6 12 „
15	21.895	19.21	85.0	21.83	85.1	.0213	.7871	19.10.1	L	7 12 „
16	22.237	19.42	85.1	21.54	85.3	.0247	.7839	19.08.3	L	8 12 „
17	21.826	19.86	85.7	21.30	85.9	.0319	.7813	19.06.4	C	9 12 „
18	20.385	20.22	86.9	21.00	86.6	.0378	.7780	19.04.4	C	10 12 „
19	18.601	20.42	88.0	20.88	87.5	.0411	.7766	19.03.4	C	11 12 „
20	17.709	20.49	89.4	20.92	88.1	.0423	.7771	19.03.4	C	Noon.
21	17.915	20.32	89.9	21.12	88.9	.0394	.7793	19.04.7	H	1 12 p. m.
22	18.121	20.16	89.8	21.23	89.0	.0368	.7808	19.05.6	H	2 12 „
23	18.807	19.87	89.6	21.42	89.0	.0321	.7826	19.06.9	H	3 12 „
Apr. 8th-Noon.	19.630	19.69	89.3	21.44	89.0	.0291	.7828	19.07.4	H	4 12 „
1	19.699	19.58	88.4	21.35	88.9	.0273	.7818	19.07.3	L	5 12 „
2	18.944	19.50	87.2	21.23	88.2	.0260	.7805	19.06.9	L	6 12 „
3	18.807	19.33	86.9	21.31	87.7	.0232	.7814	19.07.6	L	7 12 „
4	19.150	19.24	86.6	21.39	87.0	.0218	.7822	19.08.0	L	8 12 „
5	18.944	19.44	86.2	21.41	86.6	.0251	.7825	19.07.8	C	9 12 „
6	18.875	19.58	86.0	21.49	86.1	.0273	.7833	19.07.9	C	10 12 „
7	19.424	19.62	85.7	21.57	85.8	.0279	.7842	19.08.1	C	11 12 „
8	19.767	19.64	85.4	21.82	85.5	.0283	.7870	19.09.2	C	Midnight.
9	19.836	19.62	85.4	22.02	85.5	.0279	.7892	19.10.0	H	1 12 a. m.
10	20.042	19.62	85.1	22.03	85.3	.0279	.7893	19.10.1	H	2 12 „
11	19.767	19.63	84.8	22.10	85.0	.0281	.7901	19.10.4	H	3 12 „
12	19.630	19.66	84.2	22.06	85.0	.0286	.7896	19.10.0	H	4 12 „
13	19.561	19.41	83.8	22.12	84.8	.0246	.7903	19.10.8	L	5 12 „
14	19.836	19.41	83.6	22.18	84.3	.0246	.7909	19.11.0	L	6 12 „
15	21.208	19.01	83.7	22.15	84.3	.0180	.7906	19.11.9	L	7 12 „
16	21.345	19.13	84.4	21.99	84.5	.0299	.7888	19.09.6	L	8 12 „
17	20.865	18.99	85.2	22.15	85.1	.0176	.7906	19.11.9	C	9 12 „
18	21.208	19.46	86.1	21.69	86.0	.0254	.7855	19.09.0	C	10 12 „
19	20.110	19.68	87.0	21.48	86.7	.0289	.7832	19.07.5	C	11 12 „
20	18.464	19.84	87.6	21.47	87.1	.0316	.7831	19.07.1	C	Noon.
21	18.670	19.87	88.0	21.51	87.8	.0321	.7836	19.07.3	H	1 12 p. m.
22	19.150	19.41	88.2	21.64	88.2	.0246	.7850	19.08.8	H	2 12 „
23	19.699	18.97	88.6	21.67	88.9	.0173	.7863	19.10.3	H	3 12 „
Apr. 9th-Noon.	20.590	18.48	88.4	21.66	89.0	.0093	.7852	19.10.9	H	4 12 „
1	20.590	17.87	87.7	21.57	88.4	7.9993	.7842	19.11.8	L	5 12 „
2	20.179	17.16	87.0	21.62	87.9	.9876	.7848	19.13.6	L	6 12 „
3	23.198	15.36	86.2	22.21	87.5	.9581	.7913	19.20.0	L	7 12 „
4	22.923	14.31	86.0	21.93	87.0	.9409	.7882	19.20.9	L	8 12 „
5	25.394	12.75	85.6	22.25	86.6	.9153	.7917	19.25.7	C	9 12 „
6	24.707	12.55	85.3	22.23	86.1	.9120	.7915	19.26.0	C	10 12 „
7	25.737	13.50	85.0	22.44	85.5	.9276	.7938	19.24.9	C	11 12 „
8	24.846	14.89	84.9	22.36	85.2	.9504	.7929	19.21.6	C	Midnight.
9	26.012	14.99	84.6	22.41	85.0	.9520	.7935	19.21.6	H	1 12 a. m.
10	26.904	15.20	84.5	22.45	84.9	.9555	.7939	19.21.2	H	2 12 „
11	26.355	15.29	84.0	22.36	84.7	.9570	.7929	19.20.7	H	3 12 „

On the 8th, at about 19h., Dip as obtained by Observation was 18°41'2.

DAILY OBSERVATIONS FROM 9TH TO 12TH APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Apr. 9th—12	26·218	15.95	84°0	22.30	84°6	7.9677	2.7923	19°19′1	H	4 12 a. m.
13	25.600	15.95	83.8	22.27	84.4	.9677	.7919	19.18.9	L	5 12 „
14	26.766	16.19	83.8	22.19	84.2	.9717	.7910	19.18.0	L	6 12 „
15	23.816	16.76	83.8	21.76	84.1	.9811	.7863	19.15.0	L	7 12 „
16	22.032	17.27	84.3	21.45	84.3	.9895	.7829	19.12.5	L	8 12 „
17	20.110	17.90	85.1	21.29	85.1	.9997	.7811	19.11.8	C	9 12 „
18	18.327	18.47	86.0	20.97	85.7	8.0092	.7776	19.07.9	C	10 12 „
19	16.817	18.59	86.9	20.92	86.3	.0111	.7771	19.07.5	C	11 12 „
20	16.269	17.92	87.5	21.05	87.1	.0000	.7808	19.10.3	C	Noon.
21	16.543	17.52	88.1	21.39	87.9	7.9935	.7822	19.11.7	H	1 12 p. m.
22	17.641	17.68	88.7	21.65	88.4	.9961	.7861	19.12.9	H	2 12 „
23	18.807	17.68	88.7	21.76	88.8	.9961	.7863	19.13.0	H	3 12 „
Apr. 10th-Noon.	20.042	17.03	88.7	21.77	89.0	.9855	.7864	19.14.3	H	4 12 „
1	20.590	16.24	87.8	21.70	88.3	.9726	.7857	19.15.9	L	5 12 „
2	21.551	15.59	87.0	21.78	87.7	.9619	.7865	19.17.5	L	6 12 „
3	22.581	16.20	86.3	21.79	87.2	.9719	.7866	19.16.2	L	7 12 „
4	25.737	15.92	86.0	22.22	86.8	.9672	.7914	19.18.8	L	8 12 „
5	21.619	16.77	85.6	21.74	86.3	.9813	.7861	19.14.9	C	9 12 „
6	22.168	16.34	85.2	21.99	86.0	.9742	.7888	19.16.9	C	10 12 „
7	22.168	16.42	85.0	22.06	85.4	.9755	.7896	19.16.9	C	11 12 „
8	21.963	17.49	84.6	22.08	84.9	.9931	.7898	19.14.8	C	Midnight.
9	22.444	17.00	84.4	22.19	84.6	.9850	.7910	19.16.3	H	1 12 a. m.
10	22.373	17.07	84.1	22.18	84.2	.9862	.7909	19.16.1	H	2 12 „
11	21.895	17.86	84.0	22.24	84.0	.9991	.7916	19.14.8	H	3 12 „
12	21.415	17.80	83.7	22.21	83.8	.9981	.7913	19.14.8	H	4 12 „
13	22.854	17.46	83.3	22.43	83.5	.9926	.7937	19.16.4	L	5 12 „
14	24.021	17.45	83.2	22.47	83.0	.9924	.7941	19.16.6	L	6 12 „
15	25.326	17.44	83.3	22.41	83.0	.9923	.7935	19.16.4	L	7 12 „
16	24.090	17.64	83.9	21.85	83.6	.9955	.7873	19.13.4	L	8 12 „
17	22.101	18.04	84.9	21.39	88.6	8.0021	.7822	19.10.6	C	9 12 „
18	20.385	18.30	85.8	21.38	85.4	.0063	.7821	19.10.1	C	10 12 „
19	18.464	18.38	86.7	21.29	86.2	.0076	.7811	19.09.5	C	11 12 „
20	17.435	18.46	87.1	21.55	86.9	.0090	.7842	19.10.5	C	Noon.
21	17.709	17.99	87.7	21.84	87.2	.0012	.7872	19.12.7	H	1 12 p. m.
22	18.532	17.42	88.0	21.98	88.0	7.9919	.7887	19.14.5	H	2 12 „
23	19.767	17.54	88.0	21.99	88.1	.9939	.7888	19.14.3	H	3 12 „
Apr. 12th-Noon.	20.385	18.27	87.4	21.80	88.3	8.0060	.7868	19.11.5	C	4 12 „
1	20.247	18.21	86.6	21.81	87.6	.0049	.7869	19.11.6	L	5 12 „
2	19.973	18.05	85.3	21.89	87.0	.0022	.7877	19.12.4	L	6 12 „
3	20.316	18.10	85.0	21.91	86.3	.0030	.7880	19.12.4	L	7 12 „
4	20.316	18.06	84.7	21.93	86.0	.0024	.7882	19.12.5	L	8 12 „
5	20.728	18.01	84.4	22.17	85.5	.0017	.7908	19.13.5	C	9 12 „
6	21.071	17.78	84.0	22.18	85.2	7.9994	.7909	19.14.1	C	10 12 „
7	21.551	17.78	84.0	22.15	85.1	.9994	.7906	19.14.0	C	11 12 „
8	21.345	17.80	83.9	22.11	85.0	.9997	.7902	19.13.5	C	Midnight.
9	20.796	18.03	83.5	22.14	84.4	8.0019	.7905	19.13.4	H	1 12 a. m.
10	20.933	18.01	83.3	22.18	84.3	.0017	.7909	19.13.5	H	2 12 „
11	20.316	18.03	83.0	22.17	84.0	.0019	.7908	19.13.5	H	3 12 „
12	20.522	18.00	82.9	22.16	84.0	.0014	.7907	19.13.7	H	4 12 „
13	20.796	17.96	82.4	22.25	83.8	.0007	.7917	19.14.1	L	5 12 „
14	21.688	18.12	82.3	22.36	83.3	.0033	.7929	19.14.2	L	6 12 „
15	22.512	18.06	82.4	22.26	83.2	.0024	.7918	19.13.9	L	7 12 „
16	22.581	18.24	83.0	21.83	83.7	.0054	.7871	19.11.7	L	8 12 „
17	21.415	18.72	84.0	21.57	84.0	.0134	.7842	19.10.0	C	9 12 „
18	20·179	19.21	85.3	21.42	85.0	.0213	.7826	19.08.4	C	10 12 „
19	19.287	19.21	85.9	21.41	85.7	.0213	.7825	19.08.4	C	11 12 „
20	18.670	19.08	86.6	21.43	86.3	.0191	.7827	19.08.7	C	Noon.
21	18.670	19.13	87.5	21.44	87.2	.0199	.7828	19.08.6	H	1 12 p. m.
22	19.150	18.72	87.6	21.60	87.9	.0132	.7846	19.10.2	H	2 12 „
23	20.316	18.55	87.6	21.69	88.2	.0104	.7855	19.11.0	H	3 12 „

On the 9th, at about 20h. 30m., Deflection Observations were taken.
On the 12th, at about 19h. 50m., Dip as obtained by Observation was 18°52′5.

DAILY OBSERVATIONS FROM 13TH TO 15TH APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Apr. 13th-Noon.	20°522	18.53	87°3	21.69	88°2	8.0101	2.7855	19°11'0	H	4 12 p. m.
1	20.179	18.29	86.5	21.63	87.6	.0062	.7849	19.10.8	L	5 12 „
2	19.973	18.10	85.6	21.70	87.2	.0030	.7857	19.11.6	L	6 12 „
3	20.796	17.94	85.0	21.92	86.5	.0004	.7881	19.12.8	L	7 12 „
4	20.659	18.25	84.9	21.92	86.2	.0055	.7881	19.12.0	L	8 12 „
5	20.865	17.82	84.4	21.97	85.8	7.9984	.7886	19.13.7	C	9 12 „
6	20.385	17.95	84.1	21.94	85.3	8.0005	.7883	19.12.8	C	10 12 „
7	20.865	17.90	83.9	21.98	85.0	7.9997	.7887	19.13.1	C	11 12 „
8	20.522	17.88	83.5	21.95	84.9	.9994	.7884	19.13.4	C	Midnight.
9	20.522	17.96	83.2	22.04	84.5	8.0007	.7894	19.13.2	H	1 12 a. m.
10	20.316	18.34	83.0	22.12	84.0	.0070	.7903	19.12.7	H	2 12 „
11	21.071	18.26	82.8	22.12	83.9	.0057	.7903	19.12.8	H	3 12 „
12	21.071	18.33	82.4	22.16	83.6	.0068	.7907	19.12.9	H	4 12 „
13	20.590	18.28	82.1	22.12	83.3	.0060	.7903	19.12.8	L	5 12 „
14	21.758	18.18	82.0	22.34	82.8	.0043	.7927	19.14.1	L	6 12 „
15	22.718	18.17	82.3	22.20	83.0	.0042	.7912	19.13.4	L	7 12 „
16	23.267	18.45	83.4	21.83	83.6	.0088	.7871	19.11.2	L	8 12 „
17	22.032	18.66	83.9	21.40	84.0	.0122	.7824	19.09.4	C	9 12 „
18	20.316	19.05	84.7	21.22	84.8	.0186	.7804	19.07.7	C	10 12 „
19	19.150	19.25	85.5	21.28	85.5	.0219	.7810	19.07.6	C	11 12 „
20	18.807	19.27	86.2	21.42	86.1	.0223	.7825	19.08.2	C	Noon.
21	17.641	19.12	86.9	21.46	86.9	.0197	.7830	19.08.7	H	1 12 p. m.
22	18.738	18.62	87.1	21.57	87.4	.0115	.7842	19.10.1	H	2 12 „
23	19.836	18.14	87.4	21.60	88.0	.0037	.7846	19.11.0	H	3 12 „
Apr. 14th-Noon.	20.316	18.34	87.0	21.68	88.0	.0070	.7854	19.10.9	H	4 12 „
1	20.247	18.33	86.2	21.77	87.4	.0068	.7864	19.11.2	L	5 12 „
2	19.973	18.29	85.4	21.76	87.0	.0062	.7863	19.11.3	L	6 12 „
3	19.424	18.14	85.0	21.75	86.4	.0037	.7862	19.11.5	L	7 12 „
4	19.973	18.22	84.6	21.88	86.0	.0050	.7876	19.11.9	L	8 12 „
5	20.316	18.28	84.3	21.90	85.8	.0060	.7879	19.11.9	C	9 12 „
6	20.728	18.40	83.8	22.00	85.0	.0080	.7890	19.12.2	C	10 12 „
7	20.453	17.95	83.2	22.05	84.5	.0005	.7895	19.13.3	C	11 12 „
8	20.865	18.06	82.9	22.09	84.0	.0024	.7899	19.13.2	C	Midnight.
9	20.728	18.33	82.6	22.26	83.8	.0068	.7918	19.13.3	H	1 12 a. m.
10	20.728	18.22	82.1	22.29	83.3	.0050	.7921	19.13.6	H	2 12 „
11	21.071	18.31	82.0	22.29	83.0	.0065	.7921	19.13.4	H	3 12 „
12	21.551	18.26	81.7	22.34	83.0	.0057	.7927	19.13.8	H	4 12 „
13	21.208	18.28	81.4	22.36	82.6	.0060	.7929	19.13.8	L	5 12 „
14	21.619	18.27	81.4	22.57	82.4.	.0059	.7952	19.14.7	L	6 12 „
15	22.649	18.18	81.4	22.62	82.4	.0043	.7958	19.15.3	L	7 12 „
16	22.991	18.48	82.0	22.33	82.6	.0093	.7926	19.13.3	L	8 12 „
17	22.718	18.85	83.0	22.03	83.3	.0153	.7893	19.11.7	C	9 12 „
18	21.139	19.28	84.0	21.65	84.1	.0224	.7851	19.09.2	C	10 12 „
19	20.179	19.22	85.0	21.69	85.0	.0214	.7855	19.09.6	C	11 12 „
20	19.699	18.83	85.7	21.68	85.9	.0150	.7854	19.10.2	C	Noon.
21	19.081	18.87	86.4	21.79	86.4	.0157	.7866	19.10.5	H	1 12 p. m.
22	19.836	18.72	86.9	21.85	87.1	.0132	.7873	19.11.2	H	2 12 „
23	20.385	18.40	86.8	21.87	87.5	.0080	.7875	19.11.6	H	3 12 „
Apr. 15th-Noon.	20.659	18.55	86.4	21.87	87.5	.0104	.7875	19.11.7	H	4 12 „
1	20.316	18.52	85.4	21.85	86.8	.0099	.7873	19.11.6	L	5 12 „
2	20.385	18.33	84.4	21.94	86.1	.0068	.7883	19.12.0	L	6 12 „
3	20.042	18.29	84.0	21.99	85.6	.0062	.7888	19.12.3	L	7 12 „
4	20.385	18.30	83.7	22.10	85.0	.0063	.7901	19.12.7	L	8 12 „
5	20.385	18.33	83.4	22.11	84.8	.0068	.7902	19.12.6	C	9 12 „
6	20.179	18.26	83.2	22.18	84.5	.0057	.7909	19.13.0	C	10 12 „
7	20.385	18.26	83.0	22.17	84.0	.0057	.7908	19.13.0	C	11 12 „
8	20.590	18.36	83.0	22.25	84.0	.0073	.7917	19.13.3	C	Midnight.
9	20.728	18.31	82.7	22.27	83.9	.0065	.7919	19.13.3	H	1 12 a. m.
10	20.522	18.32	82.5	22.26	83.6	.0066	.7918	19.13.3	H	2 12 „
11	20.728	18.26	82.0	22.30	83.2	.0057	.7923	19.13.5	H	3 12 „

DAILY OBSERVATIONS FROM 15TH TO 18TH APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Apr. 15th—12	20°728	18.29	82°0	22.33	83°0	8.0062	2.7926	19°13′7	H	4 12 a. m.
13	20.728	18.38	81.9	22.34	83.0	.0076	.7927	19.13.6	L	5 12 „
14	20.796	18.43	82.1	22.41	82.9	.0085	.7935	19.13.7	L	6 12 „
15	21.895	18.32	82.1	22.40	82.8	.0066	.7934	19.13.9	L	7 12 „
16	22.237	18.55	82.8	22.04	83.2	.0104	.7894	19.12.4	L	8 12 „
17	21.002	18.94	83.7	21.78	84.0	.0168	.7865	19.10.4	C	9 12 „
18	20.110	19.36	84.9	21.71	84.9	.0237	.7858	19.09.3	C	10 12 „
19	18.807	19.64	85.9	21.58	85.6	.0283	.7843	19.08.2	C	11 12 „
20	17.846	19.64	86.8	21.51	86.4	.0283	.7836	19.07.9	C	Noon.
21	17.641	19.64	87.4	21.66	87.1	.0283	.7852	19.08.5	H	1 12 p. m.
22	18.258	19.49	87.7	21.88	87.8	.0259	.7876	19.09.6	H	2 12 „
23	19.356	19.27	87.7	22.00	88.1	.0223	.7890	19.10.7	H	3 12 „
Apr. 16th—Noon.	20.179	18.85	87.2	22.06	88.0	.0153	.7896	19.12.8	H	4 12 „
1	21.208	18.53	86.4	22.04	87.4	.0101	.7894	19.12.4	L	5 12 „
2	20.365	18.33	85.6	21.95	86.8	.0068	.7884	19.12.0	L	6 12 „
3	20.590	18.22	84.8	21.93	86.0	.0050	.7882	19.12.1	L	7 12 „
4	20.590	18.13	84.3	22.06	85.4	.0035	.7896	19.12.9	L	8 12 „
5	20.522	18.18	84.0	22.11	85.2	.0043	.7902	19.13.0	C	9 12 „
6	20.796	18.17	83.9	22.17	85.0	.0042	.7908	19.13.3	C	10 12 „
7	21.002	18.21	83.7	22.19	84.7	.0049	.7910	19.13.2	C	11 12 „
8	20.590	18.37	83.5	22.19	84.6	.0075	.7910	19.12.9	C	Midnight.
9	21.345	18.26	83.1	22.19	84.2	.0057	.7910	19.13.1	H	1 12 a. m.
10	20.728	18.34	83.0	22.17	84.0	.0070	.7908	19.12.9	H	2 12 „
11	20.453	18.43	82.4	22.19	83.5	.0085	.7910	19.12.7	H	3 12 „
12	20.385	18.56	82.0	22.19	83.1	.0106	.7910	19.13.0	H	4 12 „
13	20.659	18.65	82.0	22.28	83.1	.0120	.7920	19.13.2	L	5 12 „
14	21.826	18.48	82.0	22.55	83.0	.0093	.7950	19.14.3	L	6 12 „
15	22.512	18.59	82.3	22.34	83.1	.0111	.7927	19.13.7	L	7 12 „
16	22.168	18.99	82.9	22.05	83.5	.0176	.7895	19.11.5	L	8 12 „
17	20.933	19.44	84.0	21.72	84.6	.0251	.7859	19.09.1	C	9 12 „
18	19.699	19.73	85.2	21.58	85.4	.0298	.7843	19.07.9	C	10 12 „
19	18.327	19.71	86.4	21.48	86.5	.0295	.7832	19.07.4	C	11 12 „
20	16.680	19.78	87.5	21.36	87.0	.0306	.7819	19.06.8	C	Noon.
21	16.640	19.63	87.8	21.60	87.6	.0281	.7846	19.08.3	H	1 12 p. m.
22	17.641	19.25	87.7	21.78	87.9	.0219	.7865	19.09.7	H	2 12 „
23	18.327	19.08	87.7	21.79	88.1	.0191	.7866	19.10.1	H	3 12 „
Apr. 18th—Noon.	20.316	19.20	87.8	21.85	89.0	.0211	.7873	19.10.2	C	4 12 „
1	20.385	18.92	86.6	21.81	87.7	.0164	.7869	19.10.6	L	5 12 „
2	20.110	18.88	85.4	21.75	87.1	.0158	.7862	19.10.3	L	6 12 „
3	19.767	18.85	85.0	21.90	86.5	.0153	.7879	19.11.1	L	7 12 „
4	19.904	18.77	84.7	21.94	86.4	.0141	.7883	19.11.5	L	8 12 „
5	20.042	18.73	84.3	22.01	86.2	.0134	.7891	19.11.9	C	9 12 „
6	20.110	18.85	84.1	22.01	85.9	.0153	.7891	19.11.6	C	10 12 „
7	20.316	18.90	84.1	22.05	85.4	.0161	.7895	19.11.7	C	11 12 „
8	20.590	18.90	84.3	22.15	85.2	.0161	.7906	19.12.1	C	Midnight.
9	20.865	18.90	84.1	22.15	85.1	.0161	.7906	19.12.1	H	1 12 a. m.
10	21.002	18.98	84.0	22.15	85.0	.0174	.7906	19.12.0	H	2 12 „
11	20.522	18.93	84.0	22.14	85.0	.0166	.7905	19.12.0	H	3 12 „
12	20.316	18.74	83.6	22.09	84.5	.0136	.7899	19.12.1	H	4 12 „
13	20.453	18.66	82.9	22.13	84.2	.0122	.7914	19.12.5	L	5 12 „
14	20.522	18.82	82.7	22.33	84.0	.0148	.7926	19.13.0	L	6 12 „
15	21.551	18.84	83.1	22.22	84.0	.0152	.7914	19.12.5	L	7 12 „
16	21.963	19.27	84.0	22.05	84.7	.0223	.7895	19.10.9	L	8 12 „
17	21.551	19.68	85.2	21.76	85.3	.0289	.7863	19.08.7	C	9 12 „
18	20.316	19.85	86.3	21.51	86.3	.0317	.7836	19.07.3	C	10 12 „
19	19.356	20.05	87.1	21.43	86.9	.0350	.7827	19.06.6	C	11 12 „
20	18.464	20.09	87.9	21.44	87.4	.0357	.7828	19.06.5	C	Noon.
21	18.601	20.01	88.2	21.58	88.2	.0344	.7843	19.07.4	H	1 12 p. m.
22	19.424	19.74	88.5	21.76	88.8	.0300	.7863	19.08.6	H	2 12 „
23	19.904	19.47	88.2	21.77	89.0	.0256	.7864	19.09.1	H	3 12 „

On the 15th, at about 19h., Dip as obtained by Observation was 19°05′6.
On the 16th, at about 20th., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 19TH TO 21ST APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Apr. 19th-Noon.	20°247	19.29	87°5	21.77	88°9	8.0226	2.7864	19°09'6	H	4 12 p. m.
1	20.385	19.10	86.4	21.68	87.6	.0194	.7854	19.09.7	C	5 12 "
2	19.904	19.07	85·8	21.66	87.1	.0190	.7852	19.09.6	C	6 12 "
3	19·836	18·90	85.0	21.78	86.7	.0161	.7865	19.10.5	C	7 12 "
4	20.247	18.83	84.6	21.84	86.2	.0150	.7872	19.10.8	C	8 12 "
5	19.904	18.83	84.3	21.83	86.0	.0150	.7871	19.10.8	L	9 12 "
6	20.316	18.90	84.3	21.88	86.0	.0161	.7876	19.11.0	L	10 12 "
7	20.110	18.89	84.0	21.89	85.8	.0160	.7877	19.11.0	L	11 12 "
8	20.110	19.07	84·1	21.92	85.6	.0190	.7881	19.10.7	L	Midnight.
9	20.110	19.06	84·6	21.93	85.6	.0188	.7882	19.10.7	H	1 12 a. m.
10	20.247	19.02	84.7	21.97	85.6	.0181	.7886	19.11.1	H	2 12 "
11	20.316	19.03	84.6	21.97	85.5	.0183	.7886	19.11.1	H	3 12 "
12	20.179	19·02	84.5	21.96	85.4	.0181	.7885	19.11.1	H	4 12 "
13	20.179	18.98	84.3	21.96	85.4	.0174	.7885	19.11.2	C	5 12 "
14	21.071	18.92	84.1	22.05	85.2	.0164	.7895	19.11.7	C	6 12 "
15	21.688	18.98	84.0	22.06	85.1	.0174	.7896	19.11.6	C	7 12 "
16	22.101	19.49	84.9	21.98	85.3	.0259	.7883	19.09.9	C	8 12 "
17	21.276	19.89	86.2	21.63	86.0	.0324	.7849	19.07.8	L	9 12 "
18	20.042	20.00	87.2	21.41	87.0	.0342	.7825	19.06.9	L	10 12 "
19	18.875	20.02	87.7	21.34	87.3	.0345	.7817	19.06.2	L	11 12 "
20	17.984	20.01	88.0	21.43	87.7	.0344	.7827	19.06.8	L	Noon.
21	18.728	19.88	88.1	21.66	88.0	.0322	.7852	19.07.7	H	1 12 p. m.
22	19.973	19.57	87.6	21.81	88.0	.0272	.7869	19.09.2	H	2 12 "
23	20.316	19.42	87.7	21.80	88.0	.0247	.7868	19.09.4	H	3 12 "
Apr. 20th-Noon.	20.522	19.25	88.0	21.70	88.4	.0219	.7857	19.09.5	H	4 12 "
1	20.385	19.08	87.8	21.66	88.5	·0191	.7852	19.09·6	C	5 12 "
2	19.699	19.19	87.2	21.47	88·0	.0209	.7831	19.08.6	C	6 12 "
3	19.218	19.22	86.4	21.64	87.5	.0214	.7850	19.09.4	C	7 12 "
4	19.356	19.24	86·1	21.71	87.0	.0218	·7858	19.09.5	C	8 12 "
5	19.150	19.32	85.6	21.82	86.6	.0230	.7870	19.09.8	L	9 12 "
6	20.110	19.05	85.3	21.94	86.2	.0186	.7883	19.10.8	L	10 12 "
7	20.796	19.14	85.4	21.94	86.3	.0201	.7883	19.10.7	L	11 12 "
8	20.590	19.14	85.0	21.90	85.9	.0201	.7879	19.10.5	L	Midnight.
9	21·002	19.20	85.0	22.02	85.6	.0211	.7892	19.10.9	H	1 12 a. m.
10	20.933	19.20	84.9	21.94	85.4	.0211	.7883	19.10.6	H	2 12 "
11	20.728	19.05	84.9	21.94	85.3	.0186	.7883	19.10.8	H	3 12 "
12	20.659	19.10	84.7	21.92	85.3	.0194	.7881	19.10.7	H	4 12 "
13	20.110	19.03	84.7	21.95	85.4	.0183	.7884	19.11.0	C	5 12 "
14	20.385	18.76	84.0	21.98	85.8	.0139	.7887	19.11.7	C	6 12 "
15	20.865	19.16	74.1	22.07	86.2	.0204	.7897	19.11.3	C	7 12 "
16	21.345	19.38	85.0	21.92	87.0	.0240	.7881	19.10.1	C	8 12 "
17	21.415	19.64	85.3	21.75	86.5	.0283	.7862	19.08.8	L	9 12 "
18	20.247	20.01	86.4	21.35	87.5	.0344	.7818	19.06.4	L	10 12 "
19	19.287	20.17	87.8	21.31	87.6	.0370	.7814	19.05.8	L	11 12 "
20	18.052	19.92	88.5	21.30	88.2	.0328	.7813	19.06.3	L	Noon.
21	18.121	19.76	88.6	21.50	88.5	.0303	.7847	19.08.1	H	1 12 p. m.
22	18.875	19.49	88.3	21.61	88·8	.0259	.7858	19.09.0	H	2 12 "
23	19.356	19.42	88.8	21.57	89.1	.0247	.7842	19.08.4	H	3 12 "
Apr. 21st-Noon.	20.042	19.11	88.5	21.53	89.1	.0196	.7838	19.09.0	H	4 12 "
1	20·179	18.83	88.0	21.57	89.1	.0150	.7842	19·09.7	C	5 12 "
2	20.728	18.89	87·2	21.66	89.0	.0160	.7852	19.10.0	C	6 12 "
3	19.630	18.58	86.7	21.56	88.1	.0109	.7841	19.10.3	C	7 12 "
4	19.836	18.73	86.3	21.58	87.8	.0134	.7843	19.10.1	C	8 12 "
5	20.042	18.88	86.0	21.71	87.5	.0158	.7858	19.10.3	L	9 12 "
6	20.179	19.06	86.1	21.77	87.4	.0188	.7864	19.10.0	L	10 12 "
7	20.316	19·06	86.2	21.80	87.4	.0188	.7868	19.10.2	L	11 12 "
8	20.728	18.92	85.6	21.82	86.7	.0164	.7870	19.10.7	L	Midnight.
9	20.796	18.98	85.5	21.85	86·5	.0174	.7873	19.10.7	H	1 12 a. m.
10	21.482	18.94	85.1	21.94	86.3	.0174	.7883	19.11.1	H	2 12 "
11	20.796	18.90	84.8	21.89	86.0	·0161	.7877	19.11.0	H	3 12 "

On the 19th, at about 19h., Dip as obtained by Observation was 18°55'6.

DAILY OBSERVATIONS FROM 21ST TO 23RD APRIL 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
APR. 21ST—12	20·865	18.78	85·0	21·92	86·0	8.0142	2.7881	19°11′4	H	4 12 a. m.
13	20.728	18.64	85.0	21.94	85.9	.0119	.7883	19.11.7	C	5 12 „
14	22.101	18.56	85.0	22.18	85.7	.0106	.7909	19.12.9	C	6 12 „
15	22.512	18.41	85.0	22·12	85.9	.0082	.7903	19.12.6	C	7 12 „
16	22.305	18.39	85.7	22.07	86.3	.0078	.7897	19.12.5	C	8 12 „
17	21.826	19.02	87.1	21.66	87.2	.0181	.7852	19.09.8	L	9 12 „
18	21.139	19.38	88.9	21·47	88.4	.0240	.7831	19.08.2	L	10 12 „
19	20.659	19.58	90.0	21.35	89.1	.0273	.7818	19.07.3	L	11 12 „
20	19.424	19.53	90.0	21.26	89.4	.0265	.7808	19.06.9	L	Noon.
21	18.875	19.47	90.4	21·32	90.0	.0256	.7815	19.07.3	H	1 12 p. m.
22	19.424	19.31	90.7	21.50	90.6	.0239	.7835	19.08.4	H	2 12 „
23	19.836	19.14	90.9	21.55	91.0	.0201	.7840	19.09.1	H	3 12 „
APR. 22ND-Noon.	20.522	18.94	90.8	21.57	91.0	.0168	.7842	19.09.5	H	4 12 „
1	20.590	18.76	90·3	21.45	91.0	.0139	.7829	19.09.4	C	5 12 „
2	20.865	18.71	89·6	21·54	90.4	.0131	.7839	19·09.9	C	6 12 „
3	20.110	18.77	89.1	21.57	89.9	.0141	.7842	19.09.9	C	7 12 „
4	19.904	18.80	88.8	21.64	89.5	.0145	.7850	19.10.1	C	8 12 „
5	20.179	18.58	88.1	21.69	89.1	.0109	.7855	19.10.9	L	9 12 „
6	20.110	18.73	87·5	21.72	88.7	.0134	.7859	19.10.7	L	10 12 „
7	20.247	18.77	87·0	21.79	88.1	.0141	.7866	19.10.8	L	11 12 „
8	20.247	18.85	86.7	21.78	87.8	.0153	.7865	19.10·6	L	Midnight.
9	20.453	18.92	86.6	21·93	87.7	.0164	.7882	19.11.1	H	1 12 a. m.
10	20.316	18.80	86.2	21.87	87.1	.0145	.7875	19.11.0	H	2 12 „
11	20.522	18.90	85·9	21.91	87.0	.0161	.7880	19.11.1	H	3 12 „
12	20.522	18.90	85.6	21.91	86.9	.0161	.7880	19.11.1	H	4 12 „
13	20.179	18.96	85.1	21·97	86.8	.0171	.7886	19.11.2	C	5 12 „
14	21.482	19.05	84·9	22.23	86.5	.0186	.7915	19.12.1	C	6 12 „
15	22.168	19.25	85.0	22.09	86.4	.0219	.7899	19.11.0	C	7 12 „
16	22.923	19.61	86.1	21.81	87.0	.0278	.7869	19.09.1	C	8 12 „
17	22.032	19.87	86·9	21.34	87.3	.0321	.7817	19.06.6	L	9 12 „
18	20.865	20.28	88.3	21.25	88.2	.0388	.7807	19.05.3	L	10 12 „
19	18.944	20.40	89·1	21.09	88.9	.0408	.7789	19.04.3	L	11 12 „
20	17.915	20.42	90·5	21.18	89.4	.0411	.7799	19.04.7	L	Noon.
21	17.709	20.30	90.5	21.54	89.9	.0391	.7839	19.0.65	H	1 12 p. m.
22	18.532	20.03	90.0	21.65	90.0	.0347	.7851	19.07.5	H	2 12 „
23	19.973	19.43	90.0	21.67	90.5	.0249	.7853	19.08.9	H	3 12 „
APR. 23RD-Noon.	20.796	18.92	89.9	21.67	90.5	.0164	.7853	19.10.1	H	4 12 „
1	20.728	18.71	89.5	21.61	90.2	.0131	.7847	19.10.3	C	5 12 „
2	19.904	18.38	88.8	21.46	90.0	.0076	.7830	19.09.9	C	6 12 „
3	19.424	18.29	88.1	21.56	89.2	.0062	.7841	19.10.5	C	7 12 „
4	19.289	18.35	88.0	21.67	89.0	.0071	.7853	19.10.9	C	8 12 „
5	19.973	18·50	87.8	21.76	88.8	.0096	.7863	19.11.2	L	9 12 „
6	20.247	18.58	87.6	21·81	88.7	.0109	.7869	19.11.3	L	10 12 „
7	20.659	18.60	87.3	21.89	88.4	.0112	.7877	19.11.7	L	11 12 „
8	21.002	18.72	87.0	21.87	88.2	.0132	.7875	19.11.3	L	Midnight.
9	20.865	18.84	87.0	21.89	88.0	.0152	.7877	19.11.1	H	1 12 a. m.
10	20.385	18.82	86.7	21.83	87.8	.0148	.7871	19.10.8	H	2 12 „
11	20.590	18.82	86.2	21.87	87.4	.0148	.7875	19.11.0	H	3 12 „
12	20.522	18.80	86.0	21.87	87.3	.0145	.7875	19.11.1	H	4 12 „
13	20.796	18.85	86.2	21.92	87.4	.0153	.7881	19.11.2	C	5 12 „
14	22.101	18.76	85.8	21.98	87.0	.0139	.7887	19.11.7	C	6 12 „
15	22.718	19.00	85.7	21.89	86.9	.0178	.7877	19.10.8	C	7 12 „
16	22.032	19.38	86.8	21.62	87.4	.0240	.7848	19.08.9	C	8 12 „
17	21.071	19.94	88.5	21.34	88.1	.0332	.7817	19.06.5	L	9 12 „
18	19.973	20.15	89.7	21·19	89.0	.0366	.7800	19.05.3	L	10 12 „
19	18.532	20.42	90.1	20.96	89.3	.0410	.7775	19.03.8	L	11 12 „
20	16.955	20.09	90.2	21·04	89.7	.0359	.7784	19.04.7	L	Noon.
21	16.955	20·29	90.7	21.29	90.4	.0390	.7811	19.05.4	H	1 12 p. m.
22	17.984	20.10	91.0	21·43	91.0	.0358	.7827	19.06.5	H	2 12 „
23	19.218	19.94	91.4	21·55	91.7	.0332	.7880	19.07.4	H	3 12 „

On the 22nd, at about 18h, 45m., Dip as obtained by Observation was 18°55′9.
On the 23rd, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 25TH TO 27TH APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	°									h. m.
Apr. 25th-Noon.	20·247	19.53	89°7	22.10	90°8	8.0265	2.7891	19°10′1	L	4 12 p. m.
1	20.453	19.43	89.1	21.97	90.3	.0249	.7886	19.10.1	L	5 12 „
2	19.973	19.26	88.1	21.84	89.9	.0221	.7872	19.09.9	C	6 12 „
3	19.424	19.22	87.6	21.78	89.1	.0214	.7865	19.09.9	C	7 12 „
4	19.973	19.12	87.0	21·88	88.7	.0197	.7876	19.10.4	C	8 12 „
5	19.630	19.05	86.5	21.94	87.9	.0186	.7883	19.10.8	L	9 12 „
6	19.836	19.03	86.3	21.97	87.6	.0183	.7886	19.11.1	L	10 12 „
7	20.042	19.09	86.0	22·06	87.4	.0193	.7896	19.11.3	L	11 12 „
8	20.247	19.09	85.3	22.04	87.2	.0193	.7894	19.11.2	L	Midnight.
9	20.042	19.08	85.2	22.05	86.8	.0191	.7895	19.11.3	H	1 12 a. m.
10	20.042	19.15	85.0	22.15	86.5	.0202	.7906	19.11.6	H	2 12 „
11	20.316	19.23	84.9	22.09	86.2	.0216	.7899	19·11.0	H	3 12 „
12	20.042	19.13	84.5	22.13	86.0	.0199	.7904	19.11.5	H	4 12 „
13	20.522	19.16	84·1	22.22	86.0	.0204	.7914	19.11.9	C	5 12 „
14	21.482	19.00	83.9	22.37	85.6	.0178	.7930	19.12.9	C	6 12 „
15	22.135	18.97	84.0	22.22	85.6	.0173	.7914	19.12.3	C	7 12 „
16	21.826	19.32	85.1	21.91	86.3	·0230	.7880	19.10.2	C	8 12 „
17	21.276	19.76	86.8	21.57	87.0	.0303	.7882	19.07.8	L	9·12 „
18	19.561	20.03	88.0	21.28	87.6	.0347	.7810	19.05.9	L	10 12 „
19	17.984	20.06	88.9	21.25	88.2	.0352	.7807	19.05.8	L	11 12 „
20	17.023	20.00	89.6	21.32	88.9	.0342	.7815	19.06.3	L	Noon.
21	17.229	19.80	90.3	21.50	89.6	.0309	.7835	19.07.5	H	1 12 p. m.
22	17.641	19.62	90.5	21·68	90.0	.0279	.7864	19.08.9	H	2 12 „
23	19.013	19.43	90·0	21.95	90.1	.0249	.7884	19.10.0	H	3 12 „
Apr. 26th-Noon.	20.316	19.37	90.0	22.08	90.1	.0239	.7898	19.10.8	H	4 12 „
1	20.659	19.09	89.0	21.96	90.0	·0193	.7885	19.10.9	C	5 ·12 „
2	20·316	19.08	88.0	21.81	89.1	.0191	.7869	19.10.2	C	6 12 „
3	19.767	19.00	87.1	21.92	88.5	.0178	.7881	19.10.9	C	7 12 „
4	19.767	18.96	86.4	21.95	87.8	.0171	.7884	19.11.1	C	8 12 „
5	19.561	18.93	86.1	22.01	87.5	.0166	.7891	19.11.4	L	9 12 „
6	19.630	19.07	86.0	22.12	87.3	.0190	.7903	19.11.6	L	10 12 „
7	19.836	19.16	85.9	22·11	87.0	.0204	.7902	19.11.4	L	11 12 „
8	19·973	19.11	86.0	22.09	87.0	.0196	.7899	19.11.3	L	Midnight.
9	20.453	19.00	85.8	22.16	86.9	.0178	.7907	19.12.0	H	1 12 a. m.
10	20.042	18.97	85.8	22·26	86.9	.0173	.7918	19.12.5	H	2 12 „
11	20·042	18.97	85.7	22.20	86.8	.0173	.7912	19.12.2	H	3 12 „
12	19.699	18.93	85.5	22.24	86·6	.0166	.7916	19.12.4	H	4 12 „
13	20·590	19.05	85.0	22.35	86·4	.0186	.7928	19.12.6	C	5 12 „
14	21.826	19.16	85.0	22.48	86.1	.0204	.7942	19.13.0	C	6 12 „
15	22.854	19.24	85.0	22.34	86.0	.0218	.7927	19.12.2	C	7 12. „
16	22.854	19.64	85.5	21.83	86.0	.0283	.7871	19.09.2	C	8 12 „
17	20.590	20.07	86.8	21.28	86.6	.0354	.7810	19.05.9	L	9 12 „
18	18.395	20.27	87.6	21.22	87.4	.0387	.7804	19.05.1	L	10 12 „
19	16.886	20.52	88.2	21.41	87.9	.0427	.7825	19.05.5	L	11 12 „
20	16.886	20.41	88.6	21.64	88.5	.0410	.7850	19.06.8	L	Noon.
21	16.680	20.10	89.3	21.79	89.0	.0358	.7866	19.07.9	H	1 12 p. m.
22	17·709	19.80	89.5	21.97	89.7	.0309	.7886	19.09.4	H	2 12 „
23	18.807	19.57	89.6	22.05	90.0	.0272	.7895	19.10.3	H	3 12 „
Apr. 27th-Noon.	19·767	19.27	88·6	22.04	89.7	.0223	.7894	19.10.8	H	4 12 „
1	20.385	18.79	87.7	21.99	89.0	.0144	.7888	19.11.7	C	5 12 „
2	19.150	18.76	86.7	21.76	88.2	.0171	·7863	19.10.3	C	6 12 „
3	18.464	19.05	86.2	21.89	87.8	.0186	.7877	19.10.6	C	7 12 „
4	19.424	19.05	85.6	22.08	87.1	.0186	.7898	19·11.4	C	8 12 „
5	19.150	19.02	85.1	22.08	86.8	.0181	.7898	19.11.6	L	9 12 „
6	19.630	19.01	84.9	22.14	86.2	.0180	.7906	19.11.9	L	10 12 „
7	19.767	18.98	84.6	22.18	86.1	.0174	.7909	19.12.1	L	11 12 „
8	20.247	19.10	84.3	22.24	86.0	.0194	.7916	19.12.1	L	Midnight.
9	20.316	19.13	84.0	22.23	85.8	.0199	.7915	19.12.0	H	1 12 a. m.
10	20.385	19·15	84.0	22.23	85.6	.0202	.7915	19.12.0	H	2 12 „
11	20.042	19.22	84·0	22.21	85.4	.0214	.7913	19.11·8	H	3 12 „

* On the 26th, at about 18h. 45m., Dip as obtained by Observation was 19°05′3.

DAILY OBSERVATIONS FROM 27TH TO 29TH APRIL 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Apr. 27th—12	19'699	19.18	83°7	22.29	85°1	8.0207	2.7921	19°12'1	R	4 12 a. m.
13	20.316	19.14	83.4	22.36	85.0	.0201	.7929	19.12.5	C	5 12 „
14	21.688	19.29	83.5	22.53	84.9	.0226	.7948	19.12.9	C	6 12 „
15	23.060	19.29	84.1	22·25	85.0	.0226	.7917	19.11.7	C	7 12 „
16	22.718	19.47	84.9	21·86	85.4	.0256	.7874	19.09.5	C	8 12 „
17	21.139	20.04	85.9	21.42	86.0	.0349	.7826	19.06.5	L	9 12 „
18	18.944	20.23	86.9	21.34	86.8	.0380	.7817	19.05.9	L	10 12 „
19	17.846	20.14	87.6	21.20	87.4	.0365	.7813	19.05.8	L	11 12 „
20	17.092	20.15	88.0	21.30	88.0	.0366	.7873	19.05.8	L	Noon.
21	16.886	19.96	88.1	21.49	88.3	.0335	.7833	19.07.0	H	1 12 p. m.
22	17.572	19.75	88.0	21.64	88.7	.0301	.7850	19.08.2	H	2 12 „
23	18.670	19.52	87.7	21.76	88.7	.0263	.7865	19.09.2	H	3 12 „
Apr. 28th-Noon.	19.630	19.15	87.7	21.82	88.7	.0202	.7870	19.10.2	H	4 12 „
1	20.590	18.81	87.0	21.87	88.0	.0147	.7875	19.11.1	C	5 12 „
2	20.247	18.52	86.1	21.85	87.5	.0099	.7873	19.11.6	C	6 12 „
3	19.767	18.09	86.0	21.94	87.4	.0029	.7883	19.12.5	C	7 12 „
4	19.630	18.32	85.6	21.99	87.1	.0066	.7888	19.12.2	C	8 12 „
5	20.247	18.14	85.0	22.09	86.2	.0037	.7899	19.13.0	L	9 12 „
6	20.522	18.38	85.0	22.17	86.2	.0076	.7908	19.12.8	L	10 12 „
7	20.247	18.58	85.1	22.21	86.2	.0109	.7913	19.13.1	L	11 12 „
8	20.110	18.84	85.2	22.13	86.1	.0152	.7904	19.12.1	L	Midnight.
9	20.316	18·88	85.3	22.16	86.0	.0158	.7907	19.12.2	H	1 12 a. m.
10	20.385	18.90	85.3	22.16	86.0	.0161	.7907	19.12.2	H	2 12 „
11	19.973	18.91	85.1	22.14	86.0	.0163	.7905	19.12.1	H	3 12 „
12	20.453	18.92	84.9	22.22	86.0	.0164	.7914	19.12.4	H	4 12 „
13	20.316	18.98	84.7	22.28	86.0	.0174	.7920	19.12.6	C	5 12 „
14	21.139	18.97	84.6	22.43	85.9	.0173	.7937	19.13.3	C	6 12 „
15	21.758	18.97	84.6	22.37	85.6	.0173	.7930	19.13.1	C	7 12 „
16	22.168	19.41	85.0	22.27	85.8	.0246	.7919	19.11.4	C	8 12 „
17	21.619	19.77	86.5	21.75	86.8	.0305	.7862	19.08.4	L	9 12 „
18	19.836	20.05	88.0	21.47	87.7	.0350	.7831	19.06.7	L	10 12 „
19	18.464	20.13	89.0	21.46	88.6	.0363	.7830	19.06.6	L	11 12 „
20	17.435	20.04	89.5	21.52	89.0	.0349	.7837	19.07.0	L	Noon.
21	17.572	19.88	90.0	21.65	89.9	.0322	.7851	19.07.9	H	1 12 p. m.
22	18.670	19.71	90.8	21.78	90.6	.0295	.7865	19.08.7	H	2 12 „
23	19.904	19.41	90.6	21.81	90.9	.0246	.7869	19.09.4	H	3 12 „
Apr. 29th-Noon.	20.590	19.19	89.8	21.81	90.2	.0209	.7869	19.10.0	H	4 12 „
1	21.071	18.97	88.6	21.79	89.6	.0173	.7866	19.10.4	C	5 12 „
2	20.659	18.90	87.7	21.72	89.1	.0161	.7859	19.10.3	C	6 12 „
3	19.973	18.84	87.4	21.81	88.7	.0152	.7869	19.10.7	C	7 12 „
4	19.904	18 99	87.3	21.86	88.5	.0176	.7874	19.10.5	C	8 12 „
5	19.904	18.87	86.1	21.90	88.2	.0157	.7879	19.11.0	L	9 12 „
6	20.110	18.84	85.8	21.92	87.6	.0152	.7881	19.11.2	L	10 12 „
7	20.110	18.88	86·1	21.97	87.6	.0158	.7886	19.11.4	L	11 12 „
8	20.042	19.09	86.4	21.97	87.4	.0190	.7886	19.10.9	L	Midnight.
9	20.659	19.04	86·4	22.00	87.2	.0185	.7890	19.11.1	H	1 12 a. m.
10	20.247	19·06	86.2	21.99	87.0	.0188	.7888	19.11.0	H	2 12 „
11	20.316	19.04	86.0	21.99	87.0	.0185	.7888	19.11.0	H	3 12 „
12	20.179	19.05	86.2	22.01	87.0	.0186	.7891	19.11.1	H	4 12 „
13	20.590	18.98	85.5	22.06	86.4	.0174	.7896	19.11.6	C	5 12 „
14	21.482	19.05	85.3	22.25	86.2	.0186	.7917	19.12.2	C	6 12 „
15	22.444	19·15	85.0	22.10	86.0	.0202	.7901	19.11.4	C	7 12 „
16	21.963	19·56	85.9	21.89	86.2	.0270	.7877	19.09.6	C	8 12 „
17	20.728	19.92	86.9	21.61	86.9	.0328	.7847	19.07.7	L	9 12 „
18	19.356	20.19	88.1	21.48	88.0	.0370	.7832	19.06.5	L	10 12 „
19	18.258	20.19	89.0	21.48	88.6	.0373	.7832	19.06.5	L	11. 12 „
20	17.572	20.09	89.8	21·52	89.4	.0357	.7837	19.06.9	L	Noon.
21	17.572	19.91	90.2	21.52	90.0	.0327	.7837	19.07.3	H	1 12 p. m.
22	18.258	19.48	90·4	21.54	90.1	.0257	.7839	19.08.2	H	2 12 „
23	19.218	19.45	90.3	21.65	90.4	.0252	.7851	19.08.8	H	3 12 „

On the 29th, at about 19h., Dip as obtained by Observation was 19°10'3.

DAILY OBSERVATIONS FROM 30TH APRIL TO 3RD MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
APR. 30TH-Noon.	20°042	19.27	90°0	21.76	90°5	8.0223	2.7863	19°09′6	H	4 12 p. m.
1	20.865	18.92	89.2	21.77	90.1	.0164	.7864	19.10.4	C	5 12 „
2	20.796	19.01	88.9	21.69	90.0	.0180	.7855	19.10.0	C	6 12 „
3	20.110	19.00	88.0	21.65	89.9	.0178	.7851	19.09.8	C	7 12 „
4	19.904	18.85	88.0	21.71	89.4	.0153	.7858	19.10.4	C	8 12 „
5	19.973	19.02	88.0	21.79	89.1	.0181	.7866	19.10.3	L	9 12 „
6	20.247	18.99	87.6	21.83	89.0	.0176	.7871	19.10.5	L	10 12 „
7	20.042	19.02	87.4	21.84	88.7	.0181	.7872	19.10.5	L	11 12 „
8	19.904	19.07	87.5	21.88	88.5	.0190	.7876	19.10.5	L	Midnight.
9	20.385	19.14	87.4	21.91	88.5	.0201	.7880	19.10.6	H	1 12 a. m.
10	20.042	19.19	87.0	21.89	88.1	.0209	.7877	19.10.4	H	2 12 „
11	20.042	19.04	87.0	21.90	87.9	.0185	.7879	19.10.6	H	3 12 „
12	19.904	19.07	86.7	21.98	87.5	.0190	.7887	19.11.0	H	4 12 „
13	20.179	19.16	86.5	22.09	87.5	.0204	.7899	19.11.3	C	5 12 „
14	21.139	19.24	86.4	22.16	87.4	.0218	.7907	19.11.4	C	6 12 „
15	22.237	19.46	87.0	22.13	87.5	.0254	.7904	19.10.8	C	7 12 „
16	22.718	19.86	87.5	21.94	88.0	.0319	.7883	19.09.1	C	8 12 „
17	22.101	20.22	88.2	21.60	88.3	.0378	.7846	19.07.0	L	9 12 „
18	20.385	20.60	89.7	21.30	89.4	.0440	.7813	19.04.9	L	10 12 „
19	19.081	20.61	90.5	21.31	89.8	.0442	.7814	19.04.9	L	11 12 „
20	17.572	20.56	90.9	21.29	90.3	.0434	.7811	19.04.9	L	Noon.
21	17.092	20.27	91.1	21.47	90.8	.0387	.7831	19.06.2	H	1 12 p. m.
22	17.778	19.89	91.8	21.57	91.1	.0324	.7842	19.07.5	H	2 12 „
23	19.013	19.64	91.9	21.65	91.8	.0283	.7851	19.08.5	H	3 12 „
MAY 2ND-Noon.	19.630	19.68	91.0	21.58	92.0	.0289	.7843	19.08.0	H	4 12 „
1	20.522	19.50	90.6	21.55	91.7	.0260	.7840	19.08.3	H	5 12 „
2	20.316	19.27	89.5	21.44	90.8	.0223	.7828	19.08.3	H	6 12 „
3	19.630	19.19	88.8	21.42	90.0	.0209	.7826	19.08.4	H	7 12 „
4	19.836	19.22	88.4	21.50	89.7	.0214	.7835	19.08.8	H	8 12 „
5	19.767	19.24	88.0	21.52	89.3	.0218	.7837	19.08.7	L	9 12 „
6	19.836	19.38	87.9	21.62	89.0	.0240	.7848	19.08.9	L	10 12 „
7	19.630	19.37	87.5	21.74	88.9	.0239	.7861	19.09.3	L	11 12 „
8	19.973	19.32	87.2	21.78	88.5	.0230	.7865	19.09.7	L	Midnight.
9	20.042	19.36	87.0	21.71	88.3	.0237	.7858	19.09.3	C	1 12 a.m.
10	20.110	19.36	87.0	21.75	87.9	.0237	.7862	19.09.3	C	2 12 „
11	20.042	19.39	87.0	21.79	87.7	.0242	.7866	19.09.5	C	3 12 „
12	19.699	19.41	86.8	21.83	87.5	.0246	.7871	19.09.5	C	4 12 „
13	20.042	19.34	86.5	21.94	87.4	.0234	.7883	19.10.3	H	5 12 „
14	21.071	19.42	86.4	22.06	87.1	.0247	.7896	19.10.5	H	6 12 „
15	21.688	19.56	85.7	22.03	87.1	.0270	.7893	19.10.1	H	7 12 „
.16	22.101	19.68	87.1	21.92	87.4	.0289	.7881	19.09.4	H	8 12 „
17	22.032	22.06	87.9	21.64	88.0	.0352	.7850	19.07.5	L	9 12 „
18	20.316	20.33	88.4	21.28	88.5	.0396	.7810	19.05.3	L	10 12 „
19	18.601	20.42	89.0	21.32	89.0	.0411	.7815	19.05.4	L	11 12 „
20	18.258	20.34	89.8	21.41	89.8	.0398	.7825	19.05.9	L	Noon.
21	18.532	20.31	90.4	21.53	90.3	.0393	.7838	19.06.5	C	1 12p. m.
22	19.013	20.05	90.8	21.62	91.1	.0350	.7848	19.07.4	C	2 12 „
23	20.042	19.77	90.9	21.61	91.2	.0305	.7847	19 08.0	C	3 12 „
MAY 3RD-Noon.	20.796	19.67	90.6	21.60	91.4	.0288	.7846	19.08.1	C	4 12 „
1	20.385	19.60	89.7	21.48	91.0	.0276	.7832	19.07.7	H	5 12 „
2	19.973	19.45	88.8	21.39	90.1	.0252	.7822	19.07.6	H	6 12 „
3	19.013	19.38	88.0	21.43	89.4	.0240	.7827	19.08.1	H	7 12 „
4	19.493	19.40	87.8	21.57	89.0	.0244	.7842	19.08.6	H	8 12 „
5	19.356	19.31	87.3	21.62	88.7	.0229	.7848	19.09.0	L	9 12 „
6	19.561	19.42	87.1	21.71	88.4	.0247	.7858	19.09.1	L	10 12 „
7	19.630	19.29	87.0	21.72	88.3	.0226	.7859	19.09.4	L	11 12 „
8	19.973	19.19	86.9	21.79	88.0	.0209	.7866	19.09.9	L	Midnight.
9	20.110	19.10	86.8	21.82	87.7	.0194	.7870	19.10.3	C	1 12 a. m.
10	19.836	19.18	86.6	21.79	87.7	.0207	.7866	19.09.9	C	2 12 „
11	20.042	19.21	86.6	21.88	87.6	.0213	.7876	19.10.3	C	3 12 „

On the 30th, at about 19h. 35m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 3RD TO 5TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
MAY 3RD—12	19·973	19.29	86°4	21.89	87°4	8.0225	2.7877	19°10'1	C	4 12 a. m.
13	20.110	19.37	86.1	21.97	87.2	.0239	.7886	19.10.3	H	5 12 „
14	21.551	19.44	86.0	22.16	86.9	.0251	.7907	19.11.0	H	6 12 „
15	22.718	19.48	86.5	22.06	87.0	.0257	.7896	19.10.4	H	7 12 „
16	22.581	19.80	86.9	21.72	87.3	.0309	.7859	19.08.4	H	8 12 „
17	22.101	20.30	87.4	21.43	87.7	.0391	.7827	19.06.1	L	9 12 „
18	20.385	20.58	88.3	21.20	88.3	.0437	.7802	19.04.4	L	10 12 „
19	19.630	20.51	89.0	21.19	89.0	.0426	.7800	19.04.5	L	11 12 „
20	19.013	20.32	89.4	21.16	89.4	.0394	.7797	19.04.9	L	Noon.
21	18.464	20.15	89.7	21.20	89.9	.0366	.7802	19.05.3	C	1 12 p. m.
22	18.807	19.92	89.7	21.43	90.0	.0328	.7827	19.07.0	C	2 12 „
23	19.356	19.79	89.8	21.57	90.4	.0308	.7842	19.07.7	C	3 12 „
MAY 4TH—Noon.	20.179	19.59	89.2	21·69	90.3	.0275	.7855	19.08.7	C	4 12 „
1	20.659	19.47	88.4	21.64	89.5	.0256	.7850	19.08.7	H	5 12 „
2	20.179	19.32	87.5	21.61	89.0	.0230	.7847	19.09.0	H	6 12 „
3	19.561	19.26	87.0	21.59	88.4	.0221	.7844	19.08.9	H	7 12 „
4	19.356	19.27	87.0	21.69	88.1	.0223	.7855	19.09.4	H	8 12 „
5	19.218	19.43	87.0	21.77	88.3	.0249	.7864	19.09.2	L	9 12 „
6	19.493	19.47	87.0	21.80	88.1	.0256	.7868	19.09.3	L	10 12 „
7	19.561	19.44	86.9	21.88	87.8	.0251	.7896	19.09·7	L	11 12 „
8	19.561	19.41	86.7	21.93	87.7	.0246	.7882	19.09.9	L	Midnight.
9	19.767	19.41	86.6	21.90	87.7	.0246	.7879	19.09.8	C	1 12 a.m.
10	19.767	19.32	86.5	21.90	87.5	.0230	.7879	19.10.1	C	2 12 „
11	20.042	19.35	86.2	21.91	87.5	.0235	.7880	19.10.1	C	3 12 „
12	19.904	19.35	86.0	21.92	87.3	.0235	.7881	19.10.1	H	4 12 „
13	20.042	19.41	86.0	21.93	87.0	.0246	.7882	19.09.9	H	5 12 „
14	21.071	19.37	85.9	22.15	87.0	.0239	.7906	19.11.1	H	6 12 „
15	22.374	19 48	86.1	22.13	87.0	.0257	.7904	19.10.7	H	7 12 „
16	22.787	19.89	86.8	21.87	87.3	.0324	.7875	19.08.8	C	8 12 „
17	21.619	20.41	87.6	21.48	87.9	.0410	.7832	19.06.0	L	9 12 „
18	20 042	20.80	88.4	21.31	88.3	.0473	.7814	19.04.5	L	10 12 „
19	18.944	20.84	89.0	21.32	89.1	.0480	.7815	19.04.5	L	11 12 „
20	18.189	20.71	89.4	21.42	89.4	.0459	.7826	19.05.1	L	Noon.
21	18.395	20.58	90.0	21.45	90.1	.0437	.7829	19.05.5	C	1 12 p.m.
22	18.464	20.24	90.2	21.49	90.6	.0382	.7833	19.06.5	C	2 12 „
23	19.356	20.02	90.2	21.68	90.9	.0345	.7854	19.07.6	C	3 12 „
MAY 5TH—Noon.	19.904	19.77	89.8	21.80	90.8	.0305	.7868	19.08·7	C	4 12 „
1	20.385	19.51	89.0	21.70	90.1	.0262	.7857	19.09.0	H	5 12 „
2	20.042	19.30	88.0	21.51	89.7	.0227	.7836	19.08.5	H	6 12 „
3	19.493	19.18	87.6	21.52	89.0	.0207	.7837	19.08.9	H	7 12 „
4	19.424	19.19	87.4	21.53	88.9	.0209	.7838	19.08.9	H	8 12 „
5	19.424	19.26	87.3	21.60	88.7	.0221	.7846	19.09.0	L	9 12 „
6	19.424	19.21	87.1	21.62	88.5	.0213	.7848	19.09.3	L	10 12 „
7	19.493	19.31	87.0	21.65	88.4	.0229	.7851	19.09.1	L	11 12 „
8	19.699	19.34	87.0	21·72	88.1	.0234	.7859	19.09.4	L	Midnight.
9	19.699	19.25	86.8	21.72	88.0	.0219	.7859	19.09.5	C	1 12 a. m.
10	19.767	19.10	86.5	21.75	87.8	.0194	.7862	19.09.9	C	2 12 „
11	19.836	19.12	86.0	21.77	87.3	.0197	.7864	19.09.9	C	3 12 „
12	19.973	19.15	85.9	21.82	87.2	.0202	.7870	19.10.2	C	4 12 „
13	20.042	19.29	85·9	21.91	87.1	.0226	.7880	19.10.2	H	5 12 „
14	21.276	19.31	86.0	22.05	87.1	.0229	.7895	19.10.8	H	6 12 „
15	22.374	19.33	86.2	21.91	87.1	.0232	.7880	19.10.2	H	7 12 „
16	22.718	19.67	86.9	21.63	87.5	.0288	.7849	19.08.2	H	8 12 „
17	21.415	20.02	87.5	21.04	87.9	.0345	.7784	19.04.8	L	9 12 „
18	18.601	20.18	88.0	21.01	88.3	.0371	.7781	19.04.5	L	10 12 „
19	17.709	20.21	88.8	21.15	89.0	.0377	.7796	18.05.0	L	11 12 „
20	17.728	20.16	89.6	21.29	89.5	.0368	.7811	18.05.7	L	Noon.
21	18.189	19.97	89.8	21.46	90.0	.0337	.7830	19.06.9	C	1 12 p.m.
22	19.013	19.77	90.0	21.48	90.4	.0305	·7832	19.07.3	C	2 12 „
23	19.973	19.58	89.8	21.54	90.5	.0273	·7839	19.08.1	C	3 12 „

On the 3rd, at about 19h., Dip as obtained by Observation was 19°08'5.

DAILY OBSERVATIONS FROM 6TH TO 8TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
May 6th-Noon.	20·247	19.60	89°8	21.65	90°6	8.0276	2.7851	19°08′5	C	4 12 p. m.
1	20.247	19.47	89.1	21.56	90.1	.0256	.7841	19.08.3	H	5 12 „
2	19.699	19.37	88.1	21.47	89.6	.0239	.7831	19.08.2	H	6 12 „
3	19.356	19.32	87.8	21.47	89.0	.0230	.7831	19.08.3	H	7 12 „
4	19.356	19.26	87.6	21.67	88.9	.0221	.7853	19 09.3	H	8 12 „
5	19.356	19.24	87.6	21.74	88.7	.0218	.7861	19.09.5	L	9 12 „
6	19.424	19.19	87.4	21.81	88.6	.0209	.7869	19.10.0	L	10 12 „
7	19.493	19.33	87.3	21.83	88.4	.0232	.7871	19.09.8	L	11 12 „
8	19.767	19.32	87.3	21.85	88.3	.0230	.7873	19.09.9	L	Midnight.
9	19.767	19.29	87.0	21.88	88.1	.0226	.7876	19.10.1	C	1 12 a. m.
10	19.904	19.30	86.9	21.93	87.9	.0227	.7882	19.10.2	C	2 12 „
11	20.042	19.29	86.8	21.94	87.8	.0226	.7883	19.10.3	C	3 12 „
12	19.904	19.29	86.6	21.98	87.8	.0226	.7887	19.10.5	C	4 12 „
13	20.316	19.38	86.6	22.07	87.5	.0240	.7897	19.10.8	H	5 12 „
14	21.619	19.38	86.6	22.08	87.6	.0240	.7898	19.10.8	H	6 12 „
15	22.444	19.44	86.9	21.97	87.7	.0251	.7886	19.10.5	H	7 12 „
16	22.444	19.76	87.4	21.73	87.8	.0303	.7860	19.08.5	H	8 12 „
17	20.659	20.07	88.0	21.30	88.3	.0354	.7813	19.06.0	L	9 12 „
18	18.327	20.50	88.9	21.09	88.9	.0414	.7789	19.04.3	L	10 12 „
19	17.023	20.58	89.9	21.01	89.5	.0437	.7781	19.03.6	L	11 12 „
20	16.474	20.49	90.1	21.24	90.0	.0423	.7806	19.04.8	L	Noon.
21	17.229	20.32	90.6	21.44	90.4	·0394	.7828	19.06.1	C	1 12 p. m.
22	18.601	20.11	90.5	21.58	90.8	.0360	.7843	19.07.1	C	2 12 „
23	19.561	19.93	90.2	21.69	90.8	.0330	.7855	19.08.0	C	3 12 „
May 7th-Noon.	20.659	19.65	90.0	21.68	90.9	.0266	.7854	19.08.7	C	4 12 „
1	20.796	19.44	89.6	21.61	90.4	.0251	.7847	19.08.7	H	5 12 „
2	20.110	19.31	88.6	21.51	89.6	.0229	.7836	19.08.5	H	6 12 „
3	19.356	19.35	88.0	21.47	89.0	.0235	.7831	19.08.2	H	7 12 „
4	19.013	19.45	87.6	21.61	88.7	.0252	.7847	19.08.7	H	8 12 „
5	18.738	19.49	87·5	21.71	88.7	.0275	.7858	19.08.8	L	9 12 „
6	18.738	19.71	87.4	21.78	88.5	.0295	.7865	19.08.7	L	10 12 „
7	19.218	19.80	87.4	21.81	88.5	.0309	.7869	19.08.7	L	11 12 „
8	19.424	19.76	87.0	21.86	88.0	.0303	.7874	19.09.0	L	Midnight.
9	19.767	19.66	86.6	21.98	87.8	.0286	.7887	19.09.7	C	1 12 a. m.
10	19.699	19.13	86.3	22.03	87.6	.0199	.7893	19.11.1	C	2 12 „
11	20.659	19.03	86.1	22.01	87.5	.0183	.7891	19.11.3	C	3 12 „
12	21.139	18.76	86.0	22.03	87.3	.0139	.7893	19.11.9	C	4 12 „
13	22.444	18.35	86.0	22.21	87.0	.0077	.7913	19.13.0	H	5 12 „
14	22.581	18.36	86.0	22.16	87.0	.0073	.7907	19 12.9	H	6 12 „
15	23.473	18.56	86.4	22.05	87.0	.0106	.7895	19.12.4	H	7 12 „
16	23.473	18.69	87.0	21.62	87.4	.0127	.7848	19.10.3	H	8 12 „
17	21.963	18.91	88.1	21.36	88.1	.0163	.7819	19.08.7	L	9 12 „
18	20.385	18.82	88.8	21.40	88.7	.0158	.7824	19.08.9	L	10 12 „
19	19.081	19.00	89.2	21.23	89.1	.0178	.7805	19.08.0	L	11 12 „
20	18.121	19.16	89.8	21.39	89.7	.0204	.7822	19.08.3	L	Noon.
21	18.738	18.97	90.0	21.57	90.1	.0173	.7842	19.09.5	C	1 12 p. m.
22	17.984	18.95	90.5	21.52	90.6	.0169	.7837	19.09.4	C	2 12 „
23	19.287	17.85	90.5	21.65	91.0	7.9989	.7851	19.12.2	C	3 12 „
May 8th-Noon.	20.453	18.33	90.2	21.66	91.0	8.0068	.7852	19.10.8	C	4 12 „
1	20.522	18.15	89.7	21.67	90.6	.0038	.7853	19.11.3	H	5 12 „
2	21.071	17.91	88.9	21.70	89.9	7.9999	.7857	19.12.0	H	6 12 „
3	20.590	17.85	88.2	21.65	89.4	.9989	.7851	19.12.2	H	7 12 „
4	20.385	18.04	87.9	21.67	89.1	8.0021	.7853	19.11.5	H	8 12 „
5	20.865	18.00	87.5	21.82	88.9	.0014	.7870	19.12.3	L	9 12 „
6	20.590	18.40	87.3	21.86	88.6	.0080	.7874	19.11.5	L	10 12 „
7	21.002	18.21	87.0	21.83	88.0	.0049	.7871	19.11.7	L	11 12 „
8	21.345	18.41	86.7	21.84	87.8	.0082	.7872	19.11.4	L	Midnight.
9	21.139	18.47	86.3	21.98	87.5	.0092	.7887	19.11.9	N	1 12 a. m.
10	20.796	18.36	86.2	21.96	87.3	.0073	.7885	19.12.1	N	2 12 „
11	20.965	18.52	86.2	21·92	87.2	.0099	.7881	19.11.9	N	3 12 „

DAILY OBSERVATIONS FROM 8TH TO 11TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
MAY 8TH—12	21'002	18.46	86°2	21.97	87°2	8.0090	2.7886	19°11'8	N	4 12 p.m.
13	21.208	18.54	86.4	22.01	87.1	.0103	.7891	19.12.3	H	5 12 ,,
14	22.374	18.37	86.4	22.08	87.3	.0075	.7898	19.12.5	H	6 12 ,,
15	22.305	18.52	86.8	21.88	87.5	.0109	.7876	19.11.6	H	7 12 ,,
16	21.826	18.61	87.1	21.59	87.7	.0114	.7844	19.10.4	H	8 12 ,,
17	20.247	19.21	88.3	21.39	88.4	.0213	.7822	19.08.2	L	9 12 ,,
18	19.493	19.28	89.1	21.27	89.1	.0224	.7809	19.07.5	L	10 12 ,,
19	18.601	19.31	90.1	21.18	89.9	.0229	.7799	19.07.0	L	11 12 ,,
20	17.435	19.15	90.6	21.29	90.3	.0202	.7811	19.07.9	L	Noon.
21	18.464	19.30	91.1	21.42	91.0	.0227	.7826	19.08.1	G	1 12 p.m.
22	19.218	19.26	91.4	21.61	91.2	.0221	.7847	19.09.1	G	2 12 ,,
23	19.287	19.00	91.3	21.51	91.6	.0178	.7836	19.09.2	G	3 12 ,,
MAY 10TH-Noon.	18.052	18.86	90.0	21.82	90.8	.0155	.7870	19.10.7	H	4 12 ,,
1	18.601	18.75	89.1	21.91	90.3	.0137	.7880	19.11.4	H	5 12 ,,
2	19.699	18.63	88.1	21.84	89.8	.0117	.7872	19.11.2	H	6 12 ,,
3	20.385	18.59	87.6	21.92	89.2	.0111	.7881	19.11.8	H	7 12 ,,
4	19.493	18.65	87.6	21.81	89.0	.0120	.7869	19.11.1	H	8 12 ,,
5	19.973	18.75	87.7	21.98	88.8	.0137	.7887	19.11.7	L	9 12 ,,
6	20.179	18.92	87.6	22.00	88.7	.0164	.7890	19.11.5	L	10 12 ,,
7	19.973	19.03	87.5	21.99	88.4	.0183	.7888	19.11.2	L	11 12 ,,
8	20.247	18.96	87.3	21.98	88.1	.0171	.7887	19.11.3	L	Midnight.
9	20.728	18.94	87.3	22.00	88.1	.0168	.7890	19.11.4	C	1 12 a.m.
10	20.385	18.94	87.1	21.99	88.0	.0168	.7888	19.11.2	C	2 12 ,,
11	20.522	18.92	86.9	22.08	87.9	.0164	.7898	19.11.8	C	3 12 ,,
12	20.728	18.86	86.8	22.16	87.7	.0155	.7907	19.12.2	C	4 12 ,,
13	21.071	18.80	86.7	22.23	87.5	.0145	.7915	19.12.6	H	5 12 ,,
14	22.787	18.89	86.7	22.22	87.2	.0160	.7914	19.12.4	H	6 12 ,,
15	23.335	18.94	86.8	22.00	87.2	.0168	.7890	19.11.4	H	7 12 ,,
16	22.512	19.27	87.4	21.98	87.6	.0223	.7887	19.10.6	H	8 12 ,,
17	21.002	19.49	88.1	21.54	88.1	.0259	.7839	19.08.2	L	9 12 ,,
18	19.630	19.54	89.0	21.49	88.9	.0267	.7831	19.07.8	L	10 12 ,,
19	18.532	19.52	89.7	21.50	89.4	.0263	.7835	19.08.1	L	11 12 ,,
20	17.435	19.66	90.3	21.40	90.0	.0286	.7824	19.07.2	L	Noon.
21	17.160	19.51	90.8	21.52	90.6	.0262	.7837	19.08.2	C	1 12 p.m.
22	17.846	19.47	90.8	21.65	91.0	.0256	.7851	19.08.7	C	2 12 ,,
23	18.395	19.88	90.5	21.74	91.2	.0240	.7861	19.09.3	C	3 12 ,,
MAY 11TH-Noon.	19.561	19.20	90.0	21.64	91.0	.0211	.7850	19.09.4	C	4 12 ,,
1	19.767	19.15	89.5	21.74	90.7	.0202	.7861	19.09.8	H	5 12 ,,
2	19.699	18.98	88.6	21.70	90.0	.0174	.7857	19.10.2	H	6 12 ,,
3	19.424	18.86	88.2	21.71	89.7	.0155	.7858	19.10.3	H	7 12 ,,
4	19.561	18.90	88.3	21.80	89.4	.0161	.7868	19.10.6	H	8 12 ,,
5	19.904	18.86	88.1	21.85	89.1	.0155	.7873	19.10.8	L	9 12 ,,
6	20.042	18.91	88.0	21.89	89.0	.0163	.7877	19.11.0	L	10 12 ,,
7	20.179	18.95	88.0	21.95	88.9	.0169	.7884	19.11.1	L	11 12 ,,
8	20.385	19.10	87.9	21.99	88.9	.0194	.7888	19.11.0	L	Midnight.
9	20.522	19.02	87.6	22.06	88.7	.0182	.7896	19.11.5	C	1 12 a.m.
10	20.933	18.91	87.5	22.05	88.5	.0163	.7895	19.11.7	C	2 12 ,,
11	20.933	18.98	87.4	22.05	88.4	.0174	.7895	19.11.6	C	3 12 ,,
12	20.728	19.13	87.0	22.09	88.1	.0199	.7899	19.11.3	C	4 12 ,,
13	21.415	19.07	86.9	22.09	87.8	.0190	.7899	19.11.4	H	5 12 ,,
14	23.130	19.01	86.4	22.18	87.4	.0180	.7909	19.12.0	H	6 12 ,,
15	23.609	19.07	86.5	22.02	87.4	.0190	.7892	19.11.1	H	7 12 ,,
16	23.130	19.42	87.2	21.58	87.8	.0247	.7843	19.08.5	H	8 12 ,,
17	21.345	19.69	88.1	21.15	88.4	.0291	.7796	19.06.1	L	9 12 ,,
18	18.807	19.56	88.6	20.95	88.9	.0270	.7774	19.05.5	L	10 12 ,,
19	16.807	19.66	89.0	20.88	89.3	.0286	.7766	19.04.9	L	11 12 ,,
20	16.200	19.48	90.0	21.20	89.9	.0257	.7802	19.06.7	L	Noon.
21	16.880	19.48	90.7	21.40	90.6	.0257	.7827	19.07.8	C	1 12 p.m.
22	17.846	19.16	91.0	21.63	91.1	.0204	.7849	19.09.4	C	2 12 ,,
23	19.287	19.14	91.0	21.67	91.7	.0201	.7853	19.09.6	C	3 12 ,,

DAILY OBSERVATIONS FROM 12TH TO 14TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
May 12th-Noon.	20·385	19.10	90°5	21.72	91°5	8.0194	2.7859	19°09'9	C	4 12 p. m.
1	20.247	19.08	89.9	21.60	91.0	.0191	.7846	19.09.4	H	5 12 „
2	20.385	18.94	88.8	21.65	90.2	.0168	.7851	19.09.9	H	6 12 „
3	19.973	18.76	88.0	21.70	89.7	.0139	.7857	19.10.6	H	7 12 „
4	20.247	18.76	87.7	21.80	89.1	.0139	.7868	19.10.9	H	8 12 „
5	20.042	18.93	87.6	21.79	89.0	.0166	.7866	19.10.4	L	9 12 „
6	20.247	18.76	87.6	21.88	88.8	.0139	.7876	19.11.2	L	10 12 „
7	20.385	18.79	87.5	21.94	88.7	.0144	.7883	19.11.5	L	11 12 „
8	20.453	18.87	87.3	22.00	88.5	.0157	.7890	19.11.5	L	Midnight.
9	20.865	18.70	87.0	21.99	88.2	.0129	.7888	19.11.8	C	1 12 a. m.
10	20.728	18.93	86.9	22.01	88.0	.0166	.7891	19.11.4	C	2 12 „
11	20.659	18.96	86.8	22.02	88.0	.0171	.7892	19.11.4	C	3 12 „
12	21.208	18.82	86.3	22.11	87.7	.0148	.7902	19.12.0	C	4 12 „
13	21.139	18.80	86.5	22.18	87.7	.0145	.7909	19.12 3	H	5 12 „
14	22.787	18.80	86.5	22.38	87.6	.0145	.7931	19.13.2	H	6 12 „
15	23.540	18.96	86.8	22.28	87.7	.0171	.7920	19.12.6	H	7 12 „
16	23.540	19.22	87.2	22.04	87.9	.0214	.7894	19.11.0	H	8 12 „
17	22.444	19.43	88.2	21.63	88.4	.0249	.7849	19.08.7	L	9 12 „
18	20.865	19.54	88.6	21.48	88.8	.0267	.7832	19.07.8	L	10 12 „
19	19.699	19.67	89.7	21.31	89.6	.0288	.7814	19.06.8	L	11 12 „
20	19.561	19.61	90.1	21.28	90.1	.0278	.7810	19.06.9	L	Noon.
21	19.904	19.40	90.4	21.40	90.7	.0244	.7824	19.07.9	C	1 12 p. m.
22	19.904	19.51	90.8	21.34	91.0	.0263	.7817	19.07.4	C	2 12 „
23	18.944	19.41	90.4	21.44	91.2	.0246	.7828	19.07.9	C	3 12 „
May 13th-Noon.	19.218	19.30	90.0	21.54	91.0	.0227	.7839	19.08.6	C	4 12 „
1	19.356	19.07	89.1	21.62	90.6	.0190	.7848	19.09.5	H	5 12 „
2	19.973	18.84	88.3	21.70	90.0	.0152	.7857	19.10.4	H	6 12 „
3	19.287	18.77	87.7	21.65	89.2	.0141	.7851	19.10.3	H	7 12 „
4	19.150	18.74	87.2	21.81	88.7	.0136	.7869	19.10.9	H	8 12 „
5	19.904	18.81	86.9	21.85	88.3	.0147	.7873	19.10.9	L	9 12 „
6	19.973	18.87	86.6	21.94	87.9	.0157	.7883	19.11.2	L	10 12 „
7	19.973	18.89	86.5	21.97	87.7	.0160	.7886	19.11.3	L	11 12 „
8	20.247	18.89	86.4	22.02	87.3	.0160	.7892	19.11.5	L	Midnight.
9	20.659	19.05	86.2	22.06	87.2	.0186	.7896	19.11.3	C	1 12 a. m.
10	20.179	18.89	86.1	22.06	87.2	.0176	.7896	19.11.5	C	2 12 „
11	20.247	18.99	86.1	22.05	87.0	.0176	.7895	19.11.5	C	3 12 „
12	20.042	18.82	86.0	22.08	86.9	.0148	.7898	19.11.9	C	4 12 „
13	20.110	19.00	86.0	22.15	86.6	.0178	.7906	19.11.9	H	5 12 „
14	21.482	18.83	86.0	22.35	86.8	.0150	.7928	19.13.1	H	6 12 „
15	22.787	19.12	86.6	22.15	87.0	.0197	.7906	19.11.6	H	7 12 „
16	22.787	19.52	87.2	21.85	87.5	.0263	.7873	19.09.5	H	8 12 „
17	21.276	19.92	88.2	21.47	88.2	.0328	.7831	19.07.0	L	9 12 „
18	19.150	20.18	89.0	21.21	88.9	.0371	.7803	19.05.4	L	10 12 „
19	17.503	20.15	89.9	21.06	89.4	.0366	.7786	19.04.7	L	11 12 „
20	16.866	19.98	90·4	21.06	90.0	.0338	.7786	19.05.1	L	Noon.
21	16.543	19.78	90.8	21.18	90.6	.0306	.7799	19.06.0	C	1 12 p. m.
22	17.092	19.65	90.9	21.28	91.0	.0284	.7810	19.06.9	C	2 12 „
23	17.984	19.37	90.3	21.53	91.0	.0239	.7838	19.08.5	C	3 12 „
May 14th-Noon.	18.875	19.16	89.9	21.67	91.0	.0204	.7853	19.09.4	C	4 12 „
1	19.493	19.00	89.0	21.87	90.4	.0178	.7875	19.10.7	H	5 12 „
2	19.493	18.75	88.1	21.69	89.5	.0142	.7855	19.10.5	H	6 12 „
3	19.356	18.75	87.5	21.79	89.0	.0137	.7866	19.10.8	H	7 12 „
4	19.287	18.83	87.3	21.88	88.7	.0150	.7876	19.11.0	H	8 12 „
5	19.356	18.84	87.2	21.97	88.4	.0152	.7886	19.11.4	L	9 12 „
6	19.287	18.89	87.0	22.00	88.3	.0160	.7890	19.11.5	L	10 12 „
7	19.493	18.95	87.0	22.04	88.1	.0169	.7894	19.11.5	L	11 12 „
8	19.836	18.98	87.0	22.09	88.0	.0174	.7899	19.11.7	L	Midnight.
9	19.767	19.01	87.0	22.07	88.0	.0180	.7897	19.11.6	C	1 12 a. m.
10	19.836	19.03	86.9	22.07	88.0	.0183	.7897	19.11.6	C	2 12 „
11	19.699	19.06	86.7	22.10	87.8	.0188	.7901	19.11.5	C	3 12 „

On the 13th, at about 19h., Dip as obtained by Observation was 19°01'5.

DAILY OBSERVATIONS FROM 14TH TO 17TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
May 14th—12	19·630	19.01	86°5	22.09	87°8	8.0180	2.7899	19°11′6	C	4 12 a. m
13	19.904	19.03	86.4	22.17	87.4	.0183	.7908	19.12.0	H	5 12 „
14	21.071	18.96	86.1	22.37	87.4	.0171	.7930	19.13 0	H	6 12 „
15	22.168	19.17	86.6	22.37	87.4	.0206	.7930	19.12.5	H	7 12 „
16	22.854	19.39	87.0	22.28	87.8	.0242	.7920	19.11.7	H	8 12 „
17	21.963	19.82	88.0	21.73	88.4	.0312	.7860	19.08.4	L	9 12 „
18	20.453	20.12	88.7	21.61	89.0	.0361	.7847	19.07.3	L	10 12 „
19	18.875	20.26	89.4	21.36	89.4	.0385	.7819	19.05.7	L	11 12 „
20	17.709	20.22	89.6	21.44	89.9	.0378	.7828	19.06.3	L	Noon.
21	18.052	20.04	90.0	21.55	90.2	.0349	.7840	19.07.1	C	1 12 p. m
22	17.915	19.80	89.9	21.65	90.6	.0309	.7851	19.08.1	C	2 12 „
23	18.601	19.52	89.1	21.89	90.5	.0263	.7877	19.09.7	C	3 12 „
May 15th-Noon.	18.532	19.28	87.8	21.91	88.6	.0224	.7880	19.10.3	H	4 12 „
1	19.013	19.20	87.6	21.92	88.1	.0211	.7881	19.10.5	H	5 12 „
2	19.218	19.10	86.9	21.96	87.2	.0194	.7885	19.10.9	H	6 12 „
3	18.670	19.10	86.5	21.96	87.0	.0194	.7885	19.10.9	H	7 12 „
4	19.013	19.14	86.4	22.03	86.9	.0201	.7893	19.11.1	H	8 12 „
5	19.561	19.13	86.2	22.10	86.7	.0199	.7901	19.11.4	L	9 12 „
6	19.836	19.12	85.9	22.18	86.5	.0197	.7909	19.11.7	L	10 12 „
7	20.042	19.13	85.7	22.21	86.0	.0199	.7913	19.11.9	L	11 12 „
8	19.973	19.19	85.5	22.23	85.9	.0209	.7915	19.11.9	L	Midnight.
9	19.836	19.13	85.2	22.26	85.9	.0199	.7918	19.12.1	C	1 12 a. m.
10	20.110	19.15	85.0	22.26	85.9	.0202	.7918	19.12.1	C	2 12 „
11	19.973	19.21	85.0	22.25	85.9	.0213	.7917	19.12.0	C	3 12 „
12	20.110	19.15	85.0	22.28	86.0	.0202	.7920	19.12.2	C	4 12 „
13	20.590	19.15	85.0	22.32	85.5	.0202	.7925	19.12.4	H	5 12 „
14	21.276	19.38	84.9	22.32	85.5	.0240	.7925	19.11.9	H	6 12 „
15	21.826	19.39	85.0	22.30	85.6	.0242	.7923	19.11.8	H	7 12 „
16	21.688	19.55	85.6	21.97	85.8	.0268	.7886	19.09.9	H	8 12 „
17	20.453	19.86	86.5	21.60	86.4	.0319	.7846	19.07.7	L	9 12 „
18	19.150	20.14	87.4	21.48	87.3	.0365	.7832	19.06.5	L	10 12 „
19	17.915	20.32	87.8	21.41	87.5	.0394	.7825	19.06.0	L	11 12 „
20	17.366	20.19	88.3	21.45	87.7	.0373	.7829	19.06.4	L	Noon.
21	16.612	20.03	88.3	21.60	88.0	.0347	.7846	19.07.3	C	1 12 p. m.
22	17.229	19.76	88.0	21.82	87.9	.0303	.7870	19.08.9	C	2 12 „
23	17.709	19.61	87.9	22.01	87.8	.0278	.7891	19.10.0	C	3 12 „
May 17th-Noon.	18.121	19.28	87.6	22.09	87.6	.0224	.7899	19.11.0	C	4 12 „
1	18.875	18.88	87.4	22.17	87.2	.0158	.7908	19.12.2	H	5 12 „
2	18.944	18.82	86.9	22.06	87.1	.0148	.7896	19.11.7	H	6 12 „
3	18.875	18.75	86.5	22.06	86.8	.0137	.7896	19.12.0	H	7 12 „
4	19.150	18.74	86.2	22.14	86.7	.0136	.7905	19.12.4	H	8 12 „
5	19.424	18.98	86.1	22.19	86.2	.0174	.7910	19.12.2	L	9 12 „
6	19.973	19.00	85.9	22.24	86.2	.0178	.7916	19.12.3	L	10 12 „
7	20.179	18.92	85.8	22.26	86.0	.0164	.7918	19.12.6	L	11 12 „
8	20.042	18.74	85.7	22.23	86.0	.0136	.7915	19.12.8	L	Midnight.
9	20.453	18.83	85.6	22.22	86.1	.0150	.7914	19.12.5	C	1 12 a. m.
10	20.590	18.73	85.4	22.40	86.0	.0134	.7934	19.13.1	C	2 12 „
11	20.247	18.87	85.3	22.38	85.9	.0157	.7931	19.13.1	C	3 12 „
12	20.110	18.95	85.0	22.37	85.7	.0169	.7930	19.13.0	C	4 12 „
13	20.385	18.94	85.0	22.51	85.3	.0168	.7946	19.13.6	H	5 12 „
14	22.101	18.96	85.0	22.65	85.0	.0171	.7961	19.14.1	H	6 12 „
15	22.581	19.04	85.0	22.60	85.0	.0185	.7956	19.13.7	H	7 12 „
16	22.305	19.36	85.8	22.32	85.4	.0237	.7915	19.11.5	H	8 12 „
17	21.002	19.71	86.7	21.91	86.3	.0295	.7880	19.09.3	L	9 12 „
18	19.493	20.02	87.7	21.67	87.1	.0345	.7853	19.07.6	L	10 12 „
19	18.601	20.10	88.3	21.65	88.0	.0358	.7851	19.07.4	L	11 12 „
20	17.915	19.90	88.3	21.63	87.8	.0325	.7849	19.07.7	L	Noon.
21	18.121	19.74	88.2	21.79	88.0	.0300	.7866	19.08.8	C	1 12 p. m.
22	18.601	19.43	88.0	21.96	88.0	.0249	.7885	19.10.1	C	2 12 „
23	18.807	19.13	87.9	22.03	87.8	.0199	.7893	19.11.1	C	3 12 „

On the 14th, at about 19h. 45m., Deflection Observations were taken.
On the 17th, at about 20h., Dip as obtained by Observation was 19°01′9.

DAILY OBSERVATIONS FROM 18TH TO 20TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
MAY 18TH-Noon.	19°561	19.00	87°4	22.09	87°3	8.0178	2.7899	19°11′6	C	4 12 p. m.
1	19.630	18.94	87.0	22.15	87.0	.0168	.7906	19.12.0	H	5 12 „
2	19.287	18.76	86.4	22.08	86.1	.0139	.7898	19.12.1	H	6 12 „
3	19.081	18.74	86.0	22.23	86.0	.0136	.7915	19.12.8	H	7 12 „
4	19.218	18.62	85.9	22.31	86.0	.0115	.7924	19.13.3	H	8 12 „
5	19.199	18.77	85.7	22.39	86.0	.9141	.7932	19.13.4	L	9 12 „
6	19.767	18.85	85.6	22.41	85.9	.0153	.7935	19.13.4	L	10 12 „
7	19.904	18.96	85.4	22.45	85.8	.0171	.7939	19.13.3	L	11 12 „
8	19.973	18.91	85.4	22.41	85.8	.0163	.7935	19.13.3	L	Midnight.
9	20.042	18.87	85.2	22.40	85.8	.0157	.7934	19.13.2	C	1 12 a. m.
10	20.042	18.86	85.2	22.39	85.8	.0155	.7932	19.13.1	C	2 12 „
11	19.904	18.89	85.1	22.37	85.8	.0160	.7930	19.13.1	C	3 12 „
12	19.630	18.93	85.0	22.37	85.7	.0166	.7930	19.13.0	C	4 12 „
13	19.904	18.96	85.0	22.42	85.6	.0171	.7936	19.13.2	H	5 12 „
14	21.071	18.72	84.2	22.55	85.0	.0132	.7950	19.14.3	H	6 12 „
15	22.305	18.79	85.0	22.55	85.0	.0144	.7950	19.14.2	H	7 12 „
16	21.826	19.01	85.5	22.27	85.5	.0180	.7919	19.12.4	H	8 12 „
17	20.590	19.31	86.4	21.90	86.0	.0229	.7879	19.10.1	L	9 12 „
18	19.218	19.45	87.4	21.76	87.0	.0252	.7863	19.09.2	L	10 12 „
19	17.298	19.52	88.0	21.77	87.4	.0263	.7864	19.09.1	L	11 12 „
20	16.955	19.58	88.4	21.96	88.0	.0273	.7885	19.09.9	L	Noon.
21	17.846	19.57	88.5	22.31	88.3	.0272	.7924	19.11.4	C	1 12 p. m.
22	19.013	19.50	88.5	22.32	88.5	.0260	.7925	19.11.6	C	2 12 „
23	19.630	19.30	88.3	22.31	88.4	.0227	.7924	19.11.9	C	3 12 „
MAY 19TH-Noon.	19.493	19.14	88.0	22.20	88.1	.0201	.7912	19.11.8	C	4 12 „
1	19.493	19.06	88.0	22.10	88.1	.0188	.7901	19.11.5	H	5 12 „
2	18.944	18.99	87.5	22.05	87.5	.0176	.7895	19.11.5	H	6 12 „
3	18.875	18.91	87.0	22.12	87.2	.0163	.7903	19.12.0	H	7 12 „
4	18.875	19.05	86.8	22.16	87.0	.0186	.7907	19.11.8	H	8 12 „
5	19.287	19.02	86.5	22.24	86.6	.0181	.7916	19.12.4	L	9 12 „
6	19.699	19.07	86.2	22.28	86.3	.0190	.7920	19.12.3	L	10 12 „
7	19.973	19.00	85.9	22.32	86.0	.0178	.7925	19.12.7	L	11 12 „
8	19.699	19.09	85.8	22.30	86.0	.0193	.7923	19.12.4	L	Midnight.
9	19.904	19.06	85.5	22.33	86.0	.0188	.7926	19.12.5	C	1 12 a. m.
10	20.247	19.04	85.4	22.33	86.0	.0185	.7926	19.12.5	C	2 12 „
11	20.042	19.08	85.2	22.39	85.9	.0191	.7932	19.12.7	C	3 12 „
12	19.767	19.15	85.0	22.38	85.9	.0202	.7931	19.12.6	C	4 12 „
13	20.453	18.90	85.0	22.42	85.5	.0161	.7936	19.13.3	H	5 12 „
14	21.276	19.24	84.9	22.50	85.1	.0218	.7945	19.12.9	H	6 12 „
15	21.895	19.29	84.9	22.45	85.0	.0226	.7939	19.12.5	H	7 12 „
16	21.963	19.55	85.3	22.25	85.1	.0268	.7917	19.11.2	H	8 12 „
17	21.345	19.85	86.3	21.88	86.1	.0317	.7876	19.08.8	L	9 12 „
18	20.522	20.17	87.2	21.57	87.0	.0370	.7842	19.06.9	L	10 12 „
19	19.150	20.30	87.6	21.42	87.2	.0391	.7826	19.06.0	L	11 12 „
20	17.641	20.59	88.2	21.36	87.9	.0439	.7819	19.05.1	L	Noon.
21	17.641	20.17	88.4	21.57	88.2	.0370	.7842	19.06.9	C	1 12 p. m.
22	17.984	19.92	88.4	21.72	88.4	.0328	.7859	19.08.1	C	2 12 „
23	18.395	19.69	88.0	21.93	88.4	.0291	.7882	19.09.4	C	3 12 „
MAY 20TH-Noon.	19.013	19.51	87.5	22.03	87.6	.0262	.7893	19.10.3	C	4 12 „
1	19.287	19.34	87.0	22.01	87.0	.0234	.7891	19.10.6	H	5 12 „
2	19.218	19.20	86.1	22.05	86.1	.0211	.7895	19.11.1	H	6 12 „
3	19.013	19.29	85.8	22.12	85.9	.0226	.7903	19.12.1	H	7 12 „
4	18.875	19.26	85.6	22.20	85.9	.0221	.7912	19.12.5	H	8 12 „
5	19.013	19.45	85.4	22.27	85.5	.0252	.7919	19.11.4	L	9 12 „
6	19.013	19.27	85.1	22.32	85.4	.0223	.7925	19.12.1	L	10 12 „
7	19.287	19.54	84.9	22.39	85.3	.0267	.7932	19.11.7	L	11 12 „
8	19.699	19.52	84.7	22.41	85.0	.0263	.7935	19.12.0	L	Midnight.
9	19.904	19.59	84.4	22.45	84.9	.0275	.7939	19.11.9	C	1 12 a. m.
10	20.110	19.47	84.2	22.48	84.7	.0256	.7942	19.12.2	C	2 12 „
11	19.904	19.45	84.1	22.48	84.7	.0252	.7942	19.12.3	C	3 12 „

DAILY OBSERVATIONS FROM 20TH TO 24TH MAY 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
MAY 20TH—12	19·336	19.51	84°1	22.42	84°0	8.0262	2.7936	19°12′0	C	4 12 a. m.
13	19.973	19.63	84.2	22.49	84.9	.0281	.7943	19.12.1	H	5 12 „
14	21.002	19.53	84.1	22.64	84.8	.0265	.7960	19.12.8	H	6 12 „
15	21.826	19.62	84.4	22.56	84.7	.0279	.7951	19.12.4	H	7 12 „
16	22.512	19.84	85.0	22.33	85.0	.0316	.7926	19.10.8	H	8 12 „
17	20.728	20.17	85.8	21.73	85.9	.0370	.7860	19.07.6	L	9 12 „
18	18.121	20.42	86.9	21.52	86.8	.0412	.7837	19.06.3	L	10 12 „
19	16.543	20.49	87.6	21.49	87.6	.0423	.7833	19.05.9	L	11 12 „
20	16.063	20.40	88.6	21.57	88.5	.0408	.7842	19.06.4	L	Noon.
21	16.406	20.23	89.4	21.77	89.1	.0380	.7864	19.07.6	C	1 12 p. m.
22	17.092	20.14	89.6	21.87	89.7	.0365	.7875	19.08.2	C	2 12 „
23	17.778	19.92	89.9	21.79	90.0	.0328	.7866	19.08.3	C	3 12 „
MAY 21ST-Noon.	18.327	19.84	89.8	21.66	89.9	.0316	.7852	19.07.9	C	4 12 „
1	19.013	19.45	89.6	21.72	89·6	.0257	.7859	19.09.0	H	5 12 „
2	19.287	19.33	89.0	21.81	89.0	.0232	.7869	19.09.7	H	6 12 „
3	19.013	19.16	88.1	21.80	88.5	.0204	.7879	19·10.5	H	7 12 „
4	19.081	19.21	87.9	21.85	88.2	.0213	.7873	19.10.2	H	8 12 „
5	19.218	19.29	87.6	21.91	87.8	.0226	.7880	19.10.2	L	9 12 „
6	19.287	19.35	87.4	21.96	87.4	.0235	.7885	19.10.3	L	10 12 „
7	19.356	19.40	87.2	22.04	87.2	.0244	.7894	19.10.6	L	11 12 „
8	19.356	19.41	87.0	22.07	87.2	.0246	.7897	19.10.6	L	Midnight.
9	19.561	19.38	86.7	22.08	86.9	.0240	.7898	19.10.8	C	1 12 a. m.
10	19.424	19.19	86.0	22.10	86.8	.0209	.7901	19.11.3	C	2 12 „
11	19.252	19.11	84.9	22.21	85.6	.0196	.7913	19.11.9	C	3 12 „
12	19.218	19.16	84.7	22.25	85.6	.0204	.7917	19.12.1	C	4 12 „
13	19.973	19.34	85.1	22.39	85.7	.0234	.7932	19.12.2	H	5 12 „
14	21.415	19.38	85.5	22.46	86.0	.0240	.7940	19.12.5	H	6 12 „
15	21.482	20.26	85.6	22.23	86.0	.0385	.7915	19.09.5	H	7 12 „
16	21.071	20.49	85.7	21.88	86.1	.0423	.7876	19.07.5	H	8 12 „
17	19.287	20.37	85.5	21.52	86.0	.0403	.7837	19.06.4	L	9 12 „
18	17.435	20.75	85.6	21.54	86.2	.0465	.7850	19.06.0	L	10 12 „
19	16.955	20.81	85.9	21·87	86.3	.0475	.7875	19.06.8	L	11 12 „
20	15.994	21.03	86.6	21.85	86.4	.0511	.7873	19.06.3	L	Noon.
21	16.131	20.76	87.0	22.26	87.0	.0467	.7918	19.08.6	C	1 12 p. m.
22	16.474	20.64	87.9	22.10	87.8	.0447	.7901	19.08.1	C	2 12 „
23	16.886	20.09	88.3	22.02	88.0	.0357	.7892	19.09.9	C	3 12 „
MAY 24TH-Noon.	18.944	18.18	89.1	21.36	90.1	.0043	.7819	19.09.9	C	4 12 „
1	19.013	18.19	88.9	21.49	89.8	.0045	.7833	19.10.3	C	5 12 „
2	19.767	17.99	88.2	21.68	89.2	.0012	.7854	19.11.7	H	6 12 „
3	19.356	17.99	87.5	21.61	88.7	.0012	.7847	19.11.5	H	7 12 „
4	19.424	17.76	87.1	21.77	88.2	7.9975	.7864	19.12.8	H	8 12 „
5	19.493	18.01	86.9	21.86	87.9	8.0016	.7874	19.12.2	L	9 12 „
6	19.699	18.11	86·5	21.91	87.5	.0032	.7880	19.12.4	L	10 12 „
7	19.424	18.33	86.2	21.98	87.2	.0068	.7887	19.12.2	L	11 12 „
8	19.561	18.50	86.0	22.06	87.0	.0096	.7896	19.12.5	L	Midnight.
9	19.836	18.49	85.9	22·10	86.7	.0095	.7901	19.12.7	C	1 12 a. m.
10	20.042	18.51	85.8	21.62	86.6	.0098	.7847	19.10.7	C	2 12 „
11	19.836	18.55	85.6	21.49	86.5	.0104	.7833	19.10.1	C	3 12 „
12	19.973	18.57	85.5	21.60	86.3	.0108	.7847	19.10.6	C	4 12 „
13	20.796	18.52	85.0	21.73	86.0	.0099	.7860	19.11.1	H	5 12 „
14	22.374	18.63	85.1	21.86	85.2	.0117	.7874	19.11.3	H	6 12 „
15	23.198	18.81	85.6	21.79	85.6	.0147	.7866	19.10.6	H	7 12 „
16	23.060	19.08	86.1	21.40	86.1	.0191	.7824	19.08.5	H	8 12 „
17	21.758	19.50	87.3	20.96	87.0	.0260	.7775	19.05.7	L	9 12 „
18	19.767	19.73	88.1	20.62	87.9	.0298	.7738	19.03.8	L	10 12 „
19	17.915	19.79	89.0	20.52	88.8	.0308	.7727	19.03.3	L	11 12 „
20	17·023	19.67	89.6	20.60	89.3	.0288	.7736	19.03.9	L	Noon.
21	17.092	19.60	90.1	20.80	90.0	.0276	.7758	19.04.9	C	1 12 p. m.
22	17.435	19.42	90.2	20.72	90.1	.0247	.7749	19.04.8	C	2 12 „
23	18.189	19.18	90.3	20.86	90.3	.0207	.7764	19.05.9	C	3 12 „

On the 20th, at about 18h. 45m., Dip as obtained by Observation was 19°00′9.
On the 24th, at about 20h. 45m., Dip as obtained by Observation was 19°23′4.

DAILY OBSERVATIONS FROM 25TH TO 27TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
May 25th-Noon.	18·875	19.02	90°0	21.01	90°5	8.0181	2.7781	19°07'0	C	4 12 p. m.
1	19.973	18.66	89.7	21.00	90.1	.0122	.7780	19.07.7	H	5 12 „
2	20.042	18.51	88·9	21.07	89.5	.0098	.7787	19.08.3	H	6 12 „
3	19·699	18·31	88.0	21.12	89.0	.0065	.7793	19.09.5	H	7 12 „
4	19.424	18.41	87.8	21.18	88.6	.0082	.7799	19.09.6	H	8 12 „
5	19.699	18.45	87.3	21.06	88.0	.0088	.7786	19.08.9	L	9 12 „
6	19.561	18.48	87.0	21.18	• 87.6	.0093	.7799	19.09.4	L	10 12 „
7	19.699	18.46	86.8	21.36	87.3	.0090	.7819	19.09.2	L	11 12 „
8	19.836	18.67	86·6	21.09	87.0	.0124	.7789	19.08·0	L	Midnight.
9	19.630	18.65	86.4	21.10	86.7	.0120	.7791	19.08.1	C	1 12 a. m.
10	19.836	18.70	86.2	21.17	86.5	.0129	.7798	19.08.3	C	2 12 „
11	19.699	18.65	85.9	21.19	86.2	.0120	.7800	19.08.5	C	3 12 „
12	19.836	18·69	85.7	21.25	86.0	.0127	.7807	19.08.7	C	4 12 „
13	20.179	18.72	85.5	21.40	86.0	.0132	.7824	19.09.3	H	5 12 „
14	22.032	18.83	85.5	21.46	86.0	.0150	.7830	19.09.3	H	6 12 „
15	22.923	18.93	85.8	21.42	86.0	.0166	.7826	19.08.9	H	7 12 „
16	22.991	19.27	86.5	21.05	86.7	.0223	.7785	19.06.6	H	8 12 „
17	21.415	19.68	87.5	20.59	87.4	.0289	.7734	19.03.7	L	9 12 „
18	19.561	20.09	88.5	20.39	88.1	.0357	.7712	19.01.9	L	10 12 „
19	17.778	20.13	89.0	20.22	89.0	.0363	.7694	19.01.1	L	11 12 „
20	16.680	19.88	89.7	20.34	89.4	.0322	.7707	19.02.3	L	Noon.
21	16.886	19.76	90.1	20.48	90.0	.0303	.7722	19.03.1	C	1 12 p. m.
22	17.366	19.46	90.4	20.70	90.5	.0254	.7747	19.04.8	C	2 12 „
23	18.532	19.27	90.5	20.84	90.6	.0223	.7762	19.05.6	C	3 12 „
May 26th-Noon.	19.150	19.07	90.0	20.81	90.2	.0190	.7759	19.06.0	C	4 12 „
1	19.630	18.97	89.6	20.69	89.8	·0173	.7745	19.05·8	H	5 12 „
2	19.699	19.09	88.8	20.67	89·0	.0193	.7743	19.05.4	H	6 12 „
3	19.218	18.88	88.0	20.73	88.3	.0158	·7750	19.06.1	H	7 12 „
4	19.081	18.85	87·7	20.74	88.0	.0153	·7751	19.06.2	H	8 12 „
5	19.218	18.87	87.2	20.79	87.7	.0157	.7756	19.06.3	L	9 12 „
6	19.287	18.81	86.5	20.90	87.2	.0147	.7769	19.06.8	L	10 12 „
7	19.287	19.04	86.6	21.05	87.0	.0185	.7785	19.07.0	L	11 12 „
8	19.561	19.00	86.4	21.08	86.8	.0178	.7788	19.07.3	L	Midnight.
9	19·973	18.96	86.2	21.15	86.8	.0171	.7796	19.07.7	C	1 12 a. m.
10	19.973	19.02	86.0	21.16	86.5	.0181	.7797	19.07.7	C	2 12 „
11	19.973	19.06	85.9	21.17	86.2	.0188	.7798	19.07.5	C	3 12 „
12	20.110	19.08	85.7	21.20	86.0	.0191	.7802	19.07.6	C	4 12 „
13	20.590	19.08	85.5	21.32	86.0	.0191	.7815	19.08.2	H	5 12 „
14	21.415	19.10	85.5	21.42	85.9	.0194	.7826	19.08.6	H	6 12 „
15	21.826	19.33	85.8	21.28	86.0	.0232	.7810	19.07.5	H	7 12 „
16	21.551	19.70	86.5	21.00	86.7	.0293	·7780	19.05.5	H	8 12 „
17	19.767	20.03.	87.4	20.77	87.2	.0347	.7754	19.03.7	L	9 12 „
18	18.121	20.31	88.4	20.42	88.1	.0394	.7716	19.01.7	L	10 12 „
19	17.023	20.41	89.3	20.27	89.0	.0410	.7699	19.00.8	L	11 12 „
20	16.406	20.39	89.9	20.33	89.4	.0406	.7706	19.01.1	L	Noon.
21	17.092	20.15	90.2	20.48	90.0	.0366	.7722	19.02.2	C	1 12 p. m.
22	17.641	19.89	90.5	20.66	90·4	.0324	.7742	19.03.6	C	2 12 „
23	18.395	19.52	90.5	20.82	90.5	.0263	.7760	19.05.1	C	3 12 „
May 27th-Noon.	19.630	18.96	90.2	20.89	90.4	.0191	.7767	19.06.6	C	4 12 „
1	19.973	18.91	90.0	20.70	90.1	.0163	.7747	19·06.0	H	5 12 „
2	19.904	18.90	89·0	20.68	89.4	.0161	.7744	19.05.8	H	6 12 „
3	19.356	18.77	88.4	20.67	89.0	.0141	.7743	19.06.1	H	7 12 „
4	19.767	18.83·	88.0	20.86	88.5	.0150	.7764	19.06.6	H	8 12 „
5	19.973	18.77	87.7	20.91	88.1	.0141	.7770	19.07.1	L	9 12 „
6	19.699	18.86	87.4	20.97	87.8	.0155	.7776	19.07.0	L	10 12 „
7	19.973	18·92	87.1	21.07	87.4	.0164	.7787	19.07.5	L	11 12 „
8	20.179	18.99	87.0	21.11	87.0	.0176	.7792	19.07.4	L	Midnight.
9	20.179	19.03	86.7	21.18	87·0	.0183	.7799	19.07.7	C	1 12 a. m.
10	19.904	19.09	86.6	21.18	86.9	.0193	.7799	19.07.5	C	2 12 „
11	19.699	19.10	86.3	21.20	86.8	·0194	.7802	19.07.6	C	3 12 „

DAILY OBSERVATIONS FROM 27TH TO 29TH MAY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
May 27th—12	19°973	19.04	86°0	21.23	86°6	8.0185	2.7805	19°07'8	C	4 12 a. m.
13	20.316	18.97	86.0	21.25	86.5	.0173	.7807	19.08.2	H	5 12 „
14	21.071	18.88	86.0	21.44	86.2	.0158	.7828	19.09.1	H	6 12 „
15	21.095	19.08	86.1	21.49	86.2	.0191	.7833	19.08.9	H	7 12 „
16	22.101	19.26	86.8	21·32	86.4	.0224	.7815	19.07.8	H	8 12 „
17	21.415	19.53	87.7	21·03	87.6	.0265	.7783	19.06.0	L	9 12 „
18	20.796	19.80	88.9	20.75	88.4	.0309	.7752	19.04.2	L	10 12 „
19	19.424	19.80	89.6	20.58	89.2	.0309	.7733	19.03.5	L	11 12 „
20	19.287	19.76	90.0	20·59	89.7	.0303	.7734	19.03.6	L	Noon.
21	18.807	19.58	90.5	20.61	90.1	.0273	.7737	19.04.2	C	1 12 p. m.
22	17.641	19.23	90.8	20.59	90.8	.0216	.7734	19.04.6	C	2 12 „
23	18.532	19.36	91.0	20·79	91.0	.0237	.7756	19.05.3	C	3 12 „
May 28th-Noon.	19.218	19.25	90.8	20.96	91.0	.0219	.7775	19.06.2	C	4 12 „
1	19.836	19.15	90·4	20.90	90.8	.0202	.7769	19.06.2	H	5 12 „
2	19.699	19.03	89·6	20·78	90.1	.0183	.7755	19.06.1	H	6 12 „
3	19.836	18.84	88.8	20.92	89.2	.0152	.7771	19.06.9	H	7 12 „
4	20.042	18.77	88.3	21.06	88.8	.0141	.7786	19.07.7	H	8 12 „
5	20.247	18.62	87.9	21.16	88.0	.0115	.7797	19.08.4	L	9 12 „
6	19.267	18.66	87·7	21.22	87.7	.0122	.7804	19.08.6	L	10 12 „
7	20.179	19.06	87·4	21.24	87.4	.0188	.7806	19.07.8	L	11 12 „
8	19.630	18.88	87.2	21.31	87.3	.0158	.7814	19.08·5	L	Midnight.
9	19.904	18.86	87.0	21·31	87.1	.0155	.7814	19.08.5	C	1 12 a. m.
10	19.630	18.97	86 8	21.34	86.9	.0173	.7817	19.08.6	C	2 12 „
11	19.699	18.89	86.7	21.38	86.7	.0160	.7821	19.08.8	C	3 12 „
12	20.042	19.00	86.4	21.48	86.5	.0178	.7832	19.09.0	C	4 12 „
13	20.385	19.14	86.4	21·55	86.5	.0201	.7840	19.09.1	H	5 12 „
14	21.415	19.13	86.4	21.71	86.4	.0199	.7858	19.09.8	H	6 12 „
15	22.032	19.29	86.8	21.64	86.7	.0226	.7850	19.09.1	H	7 12 „
16	21.688	19.64	87.3	21.27	87.0	.0283	.7809	19.06.8	H	8 12 „
17	20.796	20.11	88.0	21.05	87.6	.0360	.7785	19.04.8	L	9 12 „
18	18.944	20.40	89.0	20.77	88.4	.0408	.7754	19.03.0	L	10 12 „
19	17.366	20.40	89·6	20.80	89.1	.0408	.7758	19.03.2	L	11 12 „
20	17.160	19.86	90·1	21.00	89.5	.0319	.7780	19.05.1	L	Noon.
21	17.365	20.12	90.9	20.93	90.2	.0361	.7772	19.04.2	C	1 12 p. m.
22	17.435	19.74	91.1	20.97	90.8	.0300	.7776	19.05.2	C	2 12 „
23	18.189	19.36	91.1	21.11	91.0	.0237	.7792	19.06.6	C	3 12 „
May 29th-Noon.	19.650	19.17	91.1	21.18	91.1	.0206	.7799	19.07.3	C	4 12 „
1	20.247	18.89	90.8	21.15	91.0	.0160	.7796	19.07.8	H	5 12 „
2	20.110	18.67	89.9	21.03	90.7	.0124	.7783	19.07.8	H	6 12 „
3	19.493	18.46	88.9	20.99	89.8	.0090	.7778	19.08.6	H	7 12 „
4	19.424	18.46	88.5	21.04	89.4	.0090	.7784	19.08,8	H	8 12 „
5	19.630	18·61	88.1	21.17	88.0	.0114	.7798	19.08.6	L	9 12 „
6	19.767	18.75	87.8	21·29	88.0	.0137	.7811	19.08.7	L	10 12 „
7	19.561	18.67	87.0	21.38	87.8	.0124	.7821	19.09.3	L	11 12 „
8	19.836	18.70	86.7	21.36	86.9	.0129	.7819	19.09.1	L	Midnight.
9	19.836	18.83	86.1	21.41	86.7	.0150	.7825	19.09.1	C	1 12 a. m.
10	19.699	18.83	85.6	21.44	86.3	.0150	.7828	19.09.2	C	2 12 „
11	20.179	19.03	85.5	21.47	86.0	.0183	.7831	19.09.0	C	3 12 „
12	20.247	19.04	85.2	21.49	85.9	.0185	.7833	19.08.9	C	4 12 „
13	20.728	19.12	85.2	21.63	85.9	.0197	.7849	19.09.4	H	5 12 „
14	20.758	19.14	85.3	21.82	85.8	.0201	.7870	19.10.2	H	6 12 „
15	22.581	19.08	85.1	21.82	85.5	.0191	.7870	19.10.3	H	7 12 „
16	22.374	19.33	85.4	21.45	85.6	.0232	.7829	19.08.2	H	8 12 „
17	21.826	19.59	85.9	21.13	85.9	.0275	.7794	19.06.2	L	9 12 „
18	20.453	20.07	86.5	20·92	86.1	.0354	.7771	19.04.3	L	10 12 „
19	18.738	20.13	87.0	20.87	86.3	.0363	.7765	19.04.0	L	11 12 „
20	17.160	20.09	87.5	20·84	86.8	.0357	.7762	19.03.8	L	Noon.
21	17.229	19·90	88.0	21.00	87.4	.0325	.7780	19.05.0	C	1 12 p. m.
22	17.709	19.87	88.5	21·04	88.1	.0321	.7784	19.05.2	C	2 12 „
23	18.464	19.71	89.2	21.07	89.0	.0295	.7887	19.05.7	C	3 12 „

On the 27th, at about 19h., Dip as obtained by Observation was 19°15'0.
On the 28th, at about 19h. 20m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 31ST MAY TO 2ND JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
MAY 31ST-Noon.	19°013	19.44	89°6	21.12	90°5	8.0251	2.7793	19°06'5	C	4 12 p. m.
1	19.836	19.14	89.1	21.16	90.3	.0201	.7797	19.07.4	C	5 12 "
2	20.247	18.87	88.5	21.06	89.9	.0157	.7786	19.07.4	C	6 12 "
3	19.493	18.74	87.8	21.01	89.3	.0136	.7781	19.07.5	C	7 12 "
4	19.699	18.73	87.5	21·12	89.0	.0134	.7793	19.08.1	C	8 12 "
5	19.424	18.94	87.5	21.16	88.6	.0168	.7797	19.07.8	H	9 12 "
6	19.356	18.97	87.3	21.17	88.3	.0173	.7798	19.07.8	H	10 12 "
7	19.424	18.96	87.1	21·17	87.8	.0171	.7798	19.07.8	H	11 12 "
8	19.767	18.67	85.4	21.41	87.0	.0124	.7824	19.09.4	H	Midnight.
9	19.836	18.88	84.6	21.28	86.3	.0158	.7810	19.08.4	B	1 12 a. m.
10	19.836	19.09	84.6	21.31	85.7	.0193	.7814	19.08.1	B	2 12 "
11	19.973	19.16	85.0	21.42	85.9	.0204	.7826	19.08.5	B	3 12 "
12	20.042	19.10	85.1	21.43	86.0	.0194	.7827	19.08.7	B	4 12 "
13	20.110	19.15	85·0	21.65	86.0	.0202	.7861	19.09.8	C	5 12 "
14	21.276	19.22	85.0	21.86	85.9	.0214	.7874	19.10.2	C	6 12 "
15	22.305	19.39	85.4	21.90	86.0	.0242	.7879	19.10.0	C	7 12 "
16	22.374	19.70	86.0	21.62	86.1	·0293	.7848	19.08.2	C	8 12 "
17	21.215	19.93	86.8	21.30	86.5	.0330	.7813	19.06.3	H	9 12 "
18	19.013	19.56	85.4	20.92	86.0	.0270	.7771	19.05.4	H	10 12 "
19	16.817	19.33	84.6	20.90	85.4	.0232	.7769	19.05.8	H	11 12 "
20	16.131	19.90	85.6	21.11	85.8	.0325	.7792	19.05.4	H	Noon.
21	15.788	19.67	85.9	21.24	86.2	.0288	.7806	19.06.5	B	1 12 p. m.
22	16.543	19.55	86.1	21·29	86.3	.0262	.7811	19.07.1	B	2 12 "
23	17.709	19.32	86·0	21.42	86.3	.0230	.7826	19.08.1	B	3 12 "
JUNE 1ST-Noon.	18.601	19.14	86.0	21.49	86.3	.0201	.7833	19.08.8	B	4 12 "
1	19.150	19.07	85.7	21.48	86.5	·0190	.7832	19.08.8	C	5 12 "
2	19·150	19.00	85.6	21.43	86.4	.0178	.7827	19.08.9	C	6 12 "
3	18.875	19.01	85.4	21.41	86.2	.0180	.7825	19 08.8	C	7 12 "
4	18.807	19.05	85.3	21.49	86.2	.0186	.7833	19.08.9	C	8 12 "
5	19.218	19.09	85.3	21.53	86.0	.0193	.7838	19.09.1	H	9 12 "
6	19.287	19.16	85.1	21.53	86.0	.0204	.7838	19.09.0	H	10 12 "
7	19.356	19.10	85.0	21·53	85.9	.0194	.7838	19.09.1	H	11 12 "
8	19·767	19.13	85.0	21.53	85.5	.0193	.7838	19.09.0	H	Midnight.
9	19.561	19.10	85.0	21.59	85.5	.0194	.7844	19.09.3	B	1 12 a. m.
10	19.493	19.08	85.1	21·58	85.3	.0191	.7843	19.09.3	B	2 12 "
11	19.630	19.04	85.1	21.60	85.3	.0185	.7846	19.09.4	B	3 12 "
12	19.699	19.08	85.0	21.60	85·3	.0191	.7846	19.09.4	B	4 12 "
13	20·659	19.16	84.9	21.66	85·3	.0204	.7852	19.09.5	C	5 12 "
14	21.758	19.37	84.6	21.87	85.0	.0239	.7875	19.09.9	C	6 12 "
15	22.581	19.36	84.0	21.98	84.0	.0237	.7887	19.10.4	C	7 12 "
16	22.305	19.75	84.4	21.85	84.1	.0301	.7873	19.09.0	C	8 12 "
17	21.276	20.01	85.0	21.49	84.5	.0344	.7833	19.07.0	H	9 12 "
18	19.081	20.14	85.5	20.95	85.0	.0365	.7774	19.04.2	H	10 12 "
19	16.749	20.26	86.8	20.88	86.0	.0385	.7766	19.03.6	H	11 12 "
20	15.994	20.01	85.9	21.08	86.0	.0344	.7788	19.05.2	H	Noon.
21	16.612	20.06	85.7	21.46	86.0	.0362	.7830	19.06.6	B	1 12 p. m.
22	17·503	19.87	86.0	21.49	86.2	.0321	.7833	19.07.2	B	2 12 "
23	18.189	19.63	85.2	21.64	85.5	.0281	.7850	19.08.5	B	3 12 "
JUNE 2ND-Noon.	18·327	19.22	84·2	21.74	84.6	.0214	.7861	19.09.7	B	4 12 "
1	18.875	19.19	84.1	21.78	84.4	.0209	.7865	19.09.9	C	5 12 "
2	19.424	18.93	84.0	21.73	84.3	.0166	·7860	19.10.2	C	6 12 "
3	19.150	18.89	83.6	21.75	84.1	.0160	.7862	19.10.3	C	7 12 "
4	19.013	18.95	83.5	21.81	84.0	.0169	.7869	19·10.5	C	8 12 "
5	19.013	19.00	83.5	21.86	84.0	.0188	.7874	19.10.4	H	9 12 "
6	19.561	19.13	83.5	21.92	84.0	.0199	.7881	19.10.6	H	10 12 "
7	19.973	19.05	83.5	21.92	84.0	.0186	.7881	19.10.7	H	11 12 "
8	20.179	19.05	83.5	21.99	84.0	.0186	.7888	19.11.0	H	Midnight.
9	20.453	19.07	83.5	21.91	83.9	.0190	.7880	19.10.7	B	1 12 a. m.
10	20.590	19·04	83.5	21.90	83.7	.0185	.7879	19.10.6	B	2 12 "
11	20.728	19.08	83·3	21.93	83.7	.0191	.7882	19.10·7	B	3 12 "

On the 31st, at about 19h. 20m., Dip as obtained by Observation was 19°06'6.

DAILY OBSERVATIONS FROM 2ND TO 4TH JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
June 2nd—12	20'110	19.10	83°4	21.84	83°7	8.0194	2.7872	19°10'3	B	4 12 a. m.
13	20.385	19.09	83.4	21.91	83.8	.0193	.7880	19.10.7	C	5 12 „
14	21.619	19.01	83.4	21.98	83.8	.0180	.7887	19.11.2	C	6 12 „
15	21.826	19.21	83.9	21·72	84.0	.0213	.7859	19.09.7	C	7 12 „
16	22.168	19.48	84.4	21·52	84.1	.0257	.7837	19.08.2	C	8 12 „
17	21.139	19.79	85.2	21.21	84.9	.0308	.7803	19.06.2	H	9 12 „
18	19.767	19.93	86.0	21.07	85.5	.0330	.7787	19.05.3	H	10 12 „
19	18.189	20.07	86.3	20.88	86.0	.0354	.7766	19.04.1	H	11 12 „
20	17.435	20.08	86.9	20.95	86.8	.0355	.7774	19.04.3	H	Noon.
21	17.298	19.82	86.7	21.11	86.9	.0312	.7792	19.05.7	L	1 12 p. m.
22	17.915	19.56	86 3	21.20	86.7	.0270	.7802	19.06 6	L	2 12 „
23	18.807	19.33	86.1	21.27	86.7	.0232	.7809	19.07.4	L	3 12 „
June 3rd—Noon.	19.218	19.33	85.9	21.34	86.5	.0232	.7817	19.07.8	L	4 12 „
1	19.081	19.22	85.9	21.35	86.5	.0214	.7818	19.08.1	C	5 12 „
2	18.944	19.10	85.4	21.29	86.3	.0194	.7811	19.08.0	C	6 12 „
3	18.944	18.91	85.0	21.35	86.1	.0161	.7818	19.08.7	C	7 12 „
4	18.670	19.05	84.7	21.39	85.9	.0186	.7822	19.08.4	C	8 12 „
5	18.807	19.02	84.3	21.47	85.4	.0181	.7831	19.09.0	H	9 12 „
6	19.150	19.08	84.2	21.52	85.2	.0191	.7837	19.09.1	H	10 12 „
7	19.424	18.97	84.0	21.60	85.1	.0173	.7846	19.09.7	H	11 12 „
8	19.767	19.06	84.0	21.65	85.0	.0188	.7851	19.09.6	H	Midnight.
9	19.973	18.92	83.8	21.61	84.7	.0164	.7847	19.09.9	L	1 12 a. m.
10	19.699	18.89	83.7	21.61	84.6	.0160	.7847	19.09.9	L	2 12 „
11	19.561	18.98	83.7	21.59	84.5	.0174	.7835	19.09.3	L	3 12 „
12	19.699	18.99	83.7	21.56	84.5	.0176	.7841	19.09.4	L	4 12 „
13	20.042	18.99	83.6	21.63	84.2	.0176	.7849	19.09.7	C	5 12 „
14	21.139	19.01	83.6	21.80	84.1	.0180	.7868	19.10.4	C	6 12 „
15	20.796	19.47	83.9	21.64	84.2	.0256	.7850	19.08.7	C	7 12 „
16	20.590	19.61	84.4	21.44	84.9	.0278	.7828	19.07.6	C	8 12 „
17	19.973	19.81	85.5	21.07	85.5	.0311	.7787	19.05.6	H	9 12 „
18	18.532	20.01	86.5	20.93	86.1	.0344	.7772	19.04.5	H	10 12 „
19	18.052	20.01	87.4	20.86	87.0	.0344	.7764	19.04.2	H	11 12 „
20	17.984	19.64	87.9	20.92	87.6	.0283	.7771	19.05.3	H	Noon.
21	17.915	19.45	88.0	20.89	87.8	.0251	.7767	19.05.5	L	1 12 p. m.
22	17.641	19.04	88.0	20.93	88.2	.0185	.7772	19.06.4	L	2 12 „
23	18.052	18.70	87.9	20.92	88.3	.0129	.7771	19.07.2	L	3 12 „
June 4th—Noon.	19.493	17.81	88.0	20.92	88.0	7.9983	.7771	19.08.9	L	4 12 „
1	18.944	18.36	87.7	20.91	88.7	8.0073	.7770	19.07.6	C	5 12 „
2	19.150	18.39	87.0	21.02	88.0	.0078	.7782	19.08.9	C	6 12 „
3	20.110	18.17	86.4	21.10	87.7	.0042	.7791	19.08.8	C	7 12 „
4	20.042	18 28	86.0	21.20	87.2	.0060	.7802	19.08.9	C	8 12 „
5	20.659	18.40	85.8	21.21	86.9	.0080	.7803	19.08.8	H	9 12 „
6	20.179	18.51	85.6	21.30	86.5	.0098	.7813	19.09.4	H	10 12 „
7	20.042	18.50	85·4	21.14	86.2	.0096	.7795	19.08.6	H	11 12 „
8	20.865	18.65	85.1	21.25	86.0	.0120	.7807	19.08.8	H	Midnight.
9	20.728	18.66	85·0	21.24	86.0	.0122	.7896	19.08.7	L	1 12 a. m.
10	20.728	18·72	84.9	21.26	85.6	.0132	.7808	19.08.7	L	2 12 „
11	20.590	18.80	84.8	21.34	85.5	.0145	.7817	19.08.8	L	3 12 „
12	20.728	19.06	84.7	21.41	85.4	.0188	.7825	19.08.6	L	4 12 „
13	21.345	18.86	84.4	21.48	85.2	.0155	.7832	19.09.2	C	5 12 „
14	22.444	18.95	84.4	21.52	85.1	.0169	.7837	19.09.4	C	6 12 „
15	22.991	19·20	84.8	21.33	85.1	.0211	.7816	19.08.0	C	7 12 „
16	22.168	19·72	85.7	21.01	85.9	·0296	.7781	19.05.4	C	8 12 „
17	20.796	19.91	86.6	20.85	86.5	.0327	.7763	19.04.3	H	9 12 „
18	19.836	19.97	87.6	20.73	87.0	.0337	.7750	19.03.8	H	10 12 „
19	19.013	19.84	88.4	20.74	88.0	.0316	.7751	19.04.0	H	11 12 „
20	17.984	20.04	88.9	20·62	88.7	.0349	.7738	19.03.1	H	Noon.
21	17.366	19.90	88.6	20.70	88.9	.0325	.7747	19.03.8	L	1 12 p. m.
22	17.641	19.80	89·2	20.64	89.4	.0309	.7740	19.03.8	L	2 12 „
23	17.846	19.42	89.5	20.68	89.9	.0247	.7744	19.04.6	L	3 12 „

On the 3rd, at about 18h. 40m., Dip as obtained by Observation was 19°08'4.
On the 4th, at about 19h. 40m., Deflection Observation were taken.

DAILY OBSERVATIONS FROM 6TH TO 8TH JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
June 6th-Noon.	18'944	19.14	89°3	20.85	90°1	8.0201	2.7763	19°06'0	C	4 12 p. m.
1	19.218	19.09	89.0	20.96	89.7	.0193	.7775	19.06.6	C	5 12 ,,
2	19.013	18.98	88.0	20.91	89.0	.0174	.7770	19.06.7	C	6 12 ,,
3	18.875	18.76	87.2	20.87	88.3	.0139	.7765	19.06.9	C	7 12 ,,
4	19.218	18.79	86.9	21.05	87.7	.0144	.7785	19.07.7	C	8 12 ,,
5	19.561	18.95	86.8	21.17	87.4	.0169	.7798	19.07.8	H	9 12 ,,
6	19.767	18.59	84.7	21.14	86.3	.0111	.7795	19.08.5	H	10 12 ,,
7	20.522	18.56	83.8	21.35	84.9	.0106	.7818	19.09.4	H	11 12 ,,
8	20.042	18.83	83.6	21.42	84.0	.0150	.7826	19.09.1	H	Midnight.
9	20.796	18.59	83.6	21.51	84.0	.0111	.7836	19.10.1	L	1 12 a. m.
10	20.865	18.77	83.8	21.57	84.0	.0141	.7842	19.09.9	L	2 12 ,,
11	20.796	19.01	83.8	21.60	83.9	.0180	.7846	19.09.6	L	3 12 ,,
12	20.933	18.75	83.6	21.67	83.9	.0137	.7853	19.10.4	L	4 12 ,,
13	20.796	18.65	82.9	21.66	83.8	.0120	.7852	19.10.5	C	5 12 ,,
14	22.101	18.68	82.0	21.94	82.9	.0125	.7883	19.11.6	C	6 12 ,,
15	23.404	18.54	81.0	21.94	81.8	.0103	.7883	19.12.0	C	7 12 ,,
16	23.404	18.52	81.4	21.82	81.5	.0098	.7870	19.11.5	C	8 12 ,,
17	22.101	18.86	82.1	21.45	82.0	.0155	.7829	19.09.1	H	9 12 ,,
18	21.071	19.03	82.6	21.18	82.5	.0183	.7799	19.07.7	H	10 12 ,,
19	19.356	19.26	84.0	20.84	83.4	.0221	.7762	19.05.6	H	11 12 ,,
20	18.807	19.33	85.0	20.80	84.2	.0232	.7758	19.05.5	H	Noon.
21	18.052	19.29	85.6	20.79	85.0	.0226	.7756	19.05.5	L	1 12 p. m.
22	17.984	19.36	86.0	21.06	85.2	.0237	.7786	19.06.4	L	2 12 ,,
23	18.464	19.22	86.3	21.26	85.9	.0214	.7808	19.07.7	L	3 12 ,,
June 7th-Noon.	19.699	18.99	86.2	21.40	86.0	.0176	.7824	19.08.7	L	4 12 ,,
1	19.767	19.00	85.9	21.39	85.9	.0178	.7822	19.08.6	C	5 12 ,,
2	19.699	18.90	85.0	21.37	85.6	.0161	.7820	19.08.8	C	6 12 ,,
3	20.042	18.55	84.5	21.48	85.3	.0104	.7832	19.10.0	C	7 12 ,,
4	20.110	18.41	84.0	21.50	85.0	.0082	.7835	19.10.1	C	8 12 ,,
5	20.042	18.50	84.0	21.51	85.0	.0096	.7836	19.10.2	H	9 12 ,,
6	19.424	18.76	84.2	21.53	85.0	.0139	.7838	19.09.8	H	10 12 ,,
7	19.836	18.87	84.2	21.59	84.7	.0157	.7844	19.09.7	H	11 12 ,,
8	19.904	18.81	84.0	21.64	84.7	.0147	.7850	19.10.1	H	Midnight.
9	19.493	18.92	83.9	21.64	84.7	.0164	.7850	19.10.0	L	1 12 a.m.
10	20.247	18.83	83.9	21.66	84.7	.0150	.7852	19.10.1	L	2 12 ,,
11	20.247	18.87	83.7	21.62	84.6	.0157	.7848	19.09.9	L	3 12 ,,
12	20.385	19.19	83.7	21.72	84.5	.0209	.7859	19 09.7	L	4 12 ,,
13	20.179	19.03	83.6	21.70	84.6	.0183	.7857	19.10.1	C	5 12 ,,
14	21.139	18.81	83.7	21.85	84.5	.0147	.7873	19.10.9	C	6 12 ,,
15	22.237	18.92	83.9	21.81	84.2	.0164	.7869	19.10.6	C	7 12 ,,
16	22.168	19.25	84.5	21.49	84.6	.0219	.7833	19.08.5	C	8 12 ,,
17	21.415	19.48	85.5	21.11	85.1	.0257	.7792	19.06.3	H	9 12 ,,
18	20.659	19.39	86.5	20.83	85.9	.0242	.7761	19.05.4	H	10 12 ,,
19	18.944	19.65	86.9	20.56	86.6	.0284	.7731	19.03.8	H	11 12 ,,
20	18.189	19.52	87.4	20.71	87.1	.0263	.7748	19.04.7	H	Noon.
21	18.121	19.61	87.4	20.90	87.3	.0278	.7769	19.05.2	L	1 12 p. m.
22	18.395	19.12	87.4	20.95	87.6	.0197	.7774	19.06.4	L	2 12 ,,
23	18.601	19.13	87.5	20.96	88.0	.0199	.7775	19.06.5	L	3 12 ,,
June 8th-Noon.	19.287	18.91	87.6	21.02	88.4	.0163	.7782	19.07.2	L	4 12 ,,
1	19.081	19.07	87.4	21.03	88.2	.0190	.7783	19.07.9	C	5 12 ,,
2	19.287	18.94	86.8	21.16	87.9	.0161	.7797	19.07.9	C	6 12 ,,
3	19.561	18.57	86.0	21.23	87.5	.0108	.7805	19.08.9	C	7 12 ,,
4	19.356	18.63	85.8	21.28	87.0	.0117	.7810	19.08.9	C	8 12 ,,
5	19.767	18.57	85.5	21.34	86.7	.0108	.7817	19.09.4	H	9 12 ,,
6	19.767	18.79	85.5	21.40	86.6	.0144	.7824	19.09.2	H	10 12 ,,
7	19.767	18.91	85.3	21.44	86.4	.0163	.7828	19.09.1	H	11 12 ,,
8	20.110	18.87	85.1	21.38	86.1	.0157	.7821	19.08.8	H	Midnight.
9	20.522	18.82	84.9	21.43	86.0	.0148	.7827	19.09.2	L	1 12 a. m.
10	20.796	18.88	84.8	21.46	85.9	.0158	.7830	19.09.2	L	2 12 ,,
11	20.522	18.96	84.6	21.45	85.6	.0171	.7829	19.09.0		3 12 ,,

On the 7th, at about 18h. 45m., Dip as obtained by Observation was 19°02'2.

DAILY OBSERVATIONS FROM 8TH TO 10TH JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
June 8th—12	20'590	18.95	84°4	21.52	85°5	8.0169	2.7837	19°09'3	L	4 12 a.m.
13	20.933	19.00	84.1	21.58	85.2	.0178	.7843	19.09.5	C	5 12 "
14	21.826	18.98	84.3	21.78	85.0	.0174	.7865	19.10.3	C	6 12 "
15	22.581	19.18	84.9	21.66	85.3	.0207	.7852	19.09.4	C	7 12 "
16	22.168	19.49	85.4	21.32	85.8	.0259	.7815	19.07.3	C	8 12 "
17	21.482	19.55	86.1	21.09	86.3	.0263	.7789	19.06.1	H	9 12 "
18	20.865	19.83	87.1	20.76	87.1	.0314	.7753	19.04.3	H	10 12 "
19	19.218	20.13	88.0	20.68	87.9	.0363	.7744	19.03.2	H	11 12 "
20	17.572	20.08	88.4	20.69	88.4	.0355	.7745	19.03.3	H	Noon.
21	17.778	19.65	88.5	20.92	88.8	.0284	.7771	19.04.3	L	1 12 p.m.
22	18.464	19.48	88.6	21.01	89.2	.0257	.7781	19.05.9	L	2 12 "
23	18.875	19.41	88.8	20.94	89.6	.0246	.7773	19.05.7	L	3 12 "
June 9th—Noon.	19.424	19.17	88.6	21·07	89.5	.0206	.7787	19.06.9	L	4 12 "
1	20.042	19.09	88.2	21.04	89.5	.0193	.7784	19.06.9	C	5 12 "
2	19.904	18.91	87.4	21.00	88.9	.0163	.7780	19.07.2	C	6 12 "
3	19.493	18.78	86.6	21.02	88.0	.0142	.7782	19.07.5	N	7 12 "
4	19.493	18.74	86.2	21.13	87.7	.0136	.7794	19.07.8	N	8 12 "
5	19.630	18.81	86.0	21.17	87.4	.0147	.7798	19.08.0	H	9 12 "
6	19.973	18.90	85.9	21.17	87.1	.0161	.7798	19.07.9	H	10 12 "
7	19.973	18.81	85.7	21.26	87.0	.0147	.7808	19.08.4	H	11 12 "
8	20.247	18.76	85.5	21.31	86.9	.0139	.7814	19.08.8	H	Midnight.
9	20.316	19.22	85.4	21.32	86.8	.0214	.7815	19.08.0	L	1 12 a.m.
10	20.042	19.01	85.3	21.37	86.5	.0180	.7820	19.08.6	L	2 12 "
11	20.110	18.92	85.2	21.42	86.4	.0164	.7826	19.09.0	L	3 12 "
12	20.453	18.99	85.0	21.44	86.3	.0176	.7828	19.08.9	L	4 12 "
13	20.865	18.97	84.8	21.51	86.0	.0173	.7836	19.09.3	N	5 12 "
14	21.758	19.05	84.7	21.68	86.0	.0186	.7854	19.09.7	N	6 12 "
15	21.826	19.27	85.0	21.58	86.0	.0223	.7843	19.08.9	N	7 12 "
16	21.758	19.34	85.7	21.39	86.2	.0234	.7822	19.07.9	N	8 12 "
17	20.865	19.50	86.8	21.06	87.0	.0260	.7786	19.06.1	H	9 12 "
18	19.767	19.71	87.7	20.73	87.6	.0295	.7750	19.04.3	H	10 12 "
19	18.532	19.94	88.1	20.59	88.0	.0332	.7734	19.03.2	H	11 12 "
20	18.121	19.52	88.6	20.66	88.6	.0263	.7742	19.04.4	H	Noon.
21	18.189	19.55	88.7	20.57	88.9	.0268	.7752	19.04.7	L	1 12 p.m.
22	19.356	19.48	89.0	20.90	89.3	.0257	.7769	19.05.4	L	2 12 "
23	20.316	19.36	88.9	20.87	89.6	.0237	.7765	19.05.6	L	3 12 "
June 10th—Noon.	20.042	19.30	88.8	20.80	89.9	.0227	.7758	19.05·5	L	4 12 "
1	19.767	19.12	88.3	20.80	89.9	.0197	.7758	19.05.9	N	5 12 "
2	19.356	19.09	87.3	20.87	89.0	.0193	.7765	19.06.2	N	6 12 "
3	19.356	18.98	86.6	21.00	88.3	.0174	.7781	19.07.1	N	7 12 "
4	19.424	18.92	86.3	21.14	88.0	.0164	.7795	19.07.8	N	8 12 "
5	19.150	18.99	86.3	21.18	87.8	.0173	.7799	19.07.8	H	9 12 "
6	19.424	19.03	86.2	21.27	87.5	.0183	.7809	19.08.1	H	10 12 "
7	19.973	19.05	86.2	21.32	87.3	.0186	.7815	19.08.2	H	11 12 "
8	19.973	19.10	86.0	21·34	87.2	.0194	.7817	19.08.3	H	Midnight.
9	20.179	19.11	86.0	21.37	87.0	.0196	.7820	19.08.3	L	1 12 a.m.
10	20.179	19.14	86.0	21.40	86.9	.0201	.7824	19.08.4	L	2 12 "
11	20.179	19.11	85.9	21.42	86.7	.0196	.7826	19.08.5	L	3 12 "
12	20.179	19.14	85.7	21.49	86.5	.0201	.7833	19.08.8	L	4 12 "
13	20.865	19.14	85·3	21.59	86.2	.0201	.7844	19.09.2	N	5 12 "
14	21.208	19.21	85.4	21.62	86.0	.0213	.7848	19.09.3	N	6 12 "
15	21.826	19.29	85.9	21.57	86.2	.0226	.7842	19.08.7	N	7 12 "
16	21.756	19.52	86.6	21.29	87.0	.0263	.7811	19.07.1	N	8 12 "
17	20.453	19.62	87.6	21.02	87.4	.0279	.7782	19.05.7	H	9 12 "
18	19.287	19.83	88.0	20.94	87.9	.0314	.7773	19.05.0	H	10 12 "
19	18.532	19.95	88.7	20.90	88.4	.0333	.7769	19.04.5	H	11 12 "
20	17.915	19.84	89.1	20.87	88.9	.0316	.7765	19.04.5	H	Noon.
21	17.298	19.74	89.5	20.88	89.3	.0300	.7766	19.04.8	L	1 12 p.m.
22	17.846	19.70	89.9	21.04	89.9	.0293	.7784	19.05.6	L	2 12 "
23	18.670	19.59	90·0	21.22	90.3	.0275	.7804	19.06.6	L	3 12 "

On the 10th, at about 18h. 45m., Dip as obtained by Observation was 18°17'2.

DAILY OBSERVATIONS FROM 11TH TO 14TH JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
June 11th-Noon.	19°836	19.40	90°2	21.23	90°5	8.0244	2.7805	19°07'3	L	4 12 p. m
1	20.042	19.24	89.9	21.12	90.5	.0218	.7793	19.06.9	N	5 12 „
2	20.042	19.01	88.9	21.08	90.0	.0180	.7788	19.07.3	N	6 12 „
3	19.493	18.78	88.1	21.08	89.4	.0142	.7788	19.07.8	N	7 12 „
4	19.424	18.79	87.5	21.15	89.0	.0144	.7796	19 08.1	N	8 12 „
5	19.561	18.91	87.5	21.22	88.8	.0163	.7804	19.08.1	H	9 12 „
6	19.836	18.94	87.0	21.26	88.6	.0168	.7808	19.08.2	H	10 12 „
7	19.973	19.09	87.0	21.25	88.3	.0193	.7807	19.07.9	H	11 12 „
8	20.042	19.17	87.0	21.28	88.1	.0206	.7810	19.07.8	H	Midnight.
9	20.247	19.17	86.8	21.34	87.9	.0206	.7817	19.08.1	L	1 12 a. m.
10	20.247	19.17	86.7	21.35	87.7	.0206	.7818	19.08.1	L	2 12 „
11	19.973	19 32	86.5	21.37	87.5	.0230	.7820	19.07.9	L	3 12 „
12	19.973	19.21	86.5	21.38	87.3	.0213	.7821	19.08.2	L	4 12 „
13	20.179	19.20	86.2	21.39	87.0	.0210	.7822	19.08.2	N	5 12 „
14	21.276	19.24	86.0	21.59	86.9	.0218	.7844	19.08.8	N	6 12 „
15	21.276	19.33	86.5	21.41	87.0	.0232	.7825	19.08.1	N	7 12 „
16	20.933	19.49	87.2	21.24	87.2	.0259	.7806	19.06.9	N	8 12 „
17	19.973	19.62	88.0	21.08	87.9	.0279	.7788	19.06.0	H	9 12 „
18	19.424	19.89	88.7	21.03	88.4	.0324	.7783	19.05.2	H	10 12 „
19	18.670	19.98	89.2	20.92	88.9	.0338	.7771	19.04.5	H	11 12 „
20	17.435	20.09	89.8	20.72	89.1	.0357	.7749	19.03.4	H	Noon.
21	17.366	20.02	90.1	20.92	89.9	.0345	.7771	19.04.3	L	1 12 p. m.
22	18.327	19.75	90.4	21.08	90.4	.0301	.7788	19.05.7	L	2 12 „
23	18.189	19.41	90.5	21.06	90.8	.0246	.7786	19.06.2	L	3 12 „
June 13th-Noon.	18.258	19.15	90.9	21.03	91.0	.0202	.7783	19.06.8		4 12 „
1	19.253	19.13	90.6	21.08	91.0	.0199	.7788	19.07.0		5 12 „
2	19.218	19.10	90.0	21.02	90.6	.0194	.7782	19.06.8		6 12 „
3	19.218	18.90	88.8	21.08	89.4	.0161	.7788	19.07.5		7 12 „
4	18.738	18.92	88.2	21.21	88.9	.0164	.7803	19.08.1		8 12 „
5	19.287	19.13	88.0	21.30	88.5	.0199	.7813	19.08.1	H	9 12 „
6	19.973	18.99	87.9	21.31	88.4	.0176	.7814	19.08.3	H	10 12 „
7	19.904	19.00	87.8	21.33	88.4	.0178	.7816	19.08.4	H	11 12 „
8	20.179	19.06	87.7	21.40	88.2	.0188	.7824	19.08.5	H	Midnight.
9	20.110	19.14	87.5	21.38	88.0	.0201	.7821	19.08.3	L	1 12 a. m.
10	20.385	19.09	87.3	21.38	87.8	.0193	.7821	19.08.4	L	2 12 „
11	20.522	19.04	87.0	21.45	87.5	.0185	.7829	19.08.7	L	3 12 „
12	20.590	19.01	86.9	21.44	87.4	.0180	.7828	19.08.9	L	4 12 „
13	20.554	19.04	86.8	21.42	87.2	.0185	.7826	19.08.6	N	5 12 „
14	21.415	19.14	86.7	21.61	87.0	.0201	.7847	19 09.4	N	6 12 „
15	21.551	19.20	87.0	21.56	87.2	.0211	.7841	19.09.0	N	7 12 „
16	21.071	19.33	87.5	21.33	87.5	.0232	.7816	19.07.7	N	8 12 „
17	20.316	19.65	88.4	21.15	88.2	.0284	.7796	19.06.3	H	9 12 „
18	19.218	20.01	89.2	20.87	89.0	.0344	.7765	19.04.3	H	10 12 „
19	17.572	20.05	90.0	20.74	89.5	.0350	.7751	19.03.6	H	11 12 „
20	17.298	19.89	90.6	20.90	90.0	.0324	.7769	19.04.6	H	Noon.
21	17.366	19.80	90.4	20.99	90.2	.0309	.7778	19.05.2	L	1 12 p. m.
22	17.641	19.72	90.4	21.03	90.2	.0296	.7783	19.05.5	L	2 12 „
23	18.052	19.58	90.7	21.06	90.7	.0273	.7786	19.06.0	L	3 12 „
une 14th-Noon.	18.807	19.36	90.9	21.05	91.0	.0237	.7785	19.06.4	L	4 12 „
1	19.218	19.08	90.6	21.03	91.0	.0191	.7783	19.06.9	C	5 12 „
2	19.443	19.12	89.9	21.02	90.5	.9197	.7782	19.06.7	C	6 12 „
3	19.699	19.04	89.4	21.09	90.2	.0185	.7789	19.07.1	C	7 12 „
4	19.443	19.06	88.7	21.12	89.8	.0188	.7793	19.07.3	C	8 12 „
5	19.356	19.15	88.5	21.13	89.5	.0202	.7794	19.07.2	H	9 12 „
6	19.443	19.13	88.2	21.12	89.1	.0199	.7793	19.07.3	H	10 12 „
7	19.443	19.18	88.0	21.22	89.0	.0207	.7804	19.07.5	H	11 12 „
8	20.042	19.13	87.9	21.28	88.8	.0199	.7810	19.07.9	H	Midnight.
9	20.110	19.19	87.8	21.29	88.4	.0209	.7811	19.07.8	L	1 12 a. m.
10	20.110	19.17	87.7	21.30	88.2	.0206	.7813	19.07.9	L	2 12 „
11	19.699	19.22	87.4	21.30	87.9	.0214	.7813	19.07.9	L	3 12 „

On the 11th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 14TH TO 16TH JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
June 14th—12	19·973	19.19	87·3	21.33	87·7	8.0209	2.7816	19°08′0	L	4 12 p.m.
13	20.247	19.19	87.2	21.43	87.7	.0209	.7827	19.08.5	G	5 12 „
14	21.758	19.15	87.0	21.56	87.7	.0202	.7841	19.09.1	G	6 12 „
15	22.168	19.28	87.2	21.54	87.9	.0224	.7839	19.08.7	G	7 12 „
16	21.895	19.54	88.0	21.29	88.1	.0267	.7811	19.07.0	G	8 12 „
17	20.522	19.86	88.9	20.92	88.9	.0319	.7771	19.04.7	H	9 12 „
18	18.670	20.17	89.9	20.81	89.6	.0370	.7759	19.03.7	H	10 12 „
19	17.298	20.30	90.2	20.75	89.9	.0391	.7752	19.03.1	H	11 12 „
20	17.092	20.23	90.9	20.91	90.4	.0380	.7770	19.04.0	H	Noon.
21	17.503	20.07	91.3	21.01	90.9	.0354	.7781	19.04.7	L	1 12 p.m.
22	17.572	19.79	91.6	20.90	91.3	.0308	.7769	19.04.8	L	2 12 „
23	18.189	19.60	91.8	20.93	91.7	.0276	.7772	19.05.3	L	3 12 „
June 15th-Noon.	18.807	19.83	91 6	20.97	91.8	.0314	.7776	19.05.1	L	4 12 „
1	19.493	19.19	91.0	20.96	91.9	.0209	.7775	19.06.4	N	5 12 „
2	20.042	19.13	90.5	21.01	91.0	.0198	.7781	19.06.7	G	6 12 „
3	19.767	19.06	89.8	20.90	90.5	.0188	.7769	19.06.3	G	7 12 „
4	19.699	19.08	89.5	21.00	90.0	.0191	.7780	19.06.8	G	8 12 „
5	19.904	19.02	89.0	21.10	89.9	.0181	.7791	19.07.4	H	9 12 „
6	20.179	19.07	88.6	21.13	89.7	.0190	.7794	19.07.3	H	10 12 „
7	20.179	19.08	88.4	21.13	89.2	.0191	.7794	19.07.3	H	11 12 „
8	20.110	19.06	88.0	21.12	89.0	.0188	.7793	19.07.3	H	Midnight.
9	20.042	19.09	87.8	21.22	88.8	.0193	.7804	19.07.7	L	1 12 a.m.
10	20.110	19.16	87.6	21.31	88.6	.0204	.7814	19.08.0	L	2 12 „
11	20.179	19.18	87.5	21.30	88.4	.0207	.7813	19.08.9	L	3 12 „
12	19.836	19.19	87.3	21.31	88.3	.0209	.7814	19.08.9	L	4 12 „
13	20.385	19.16	87.0	21.44	88.0	.0204	.7828	19.09.6	N	5 12 „
14	21·208	19.22	87.0	21.52	88.0	.0214	.7837	19.09.9	N	6 12 „
15	21.826	19.43	87.2	21.49	88.0	.0249	.7833	19.08.1	N	7 12 „
16	21.758	19.60	87.9	21.25	88.2	.0276	.7807	19.06.8	N	8 12 „
17	21.208	19.92	88.8	21.07	88.9	.0328	.7787	19.05.3	H	9 12 „
18	20.287	20.08	89.5	20.77	89.1	.0355	.7754	19.03.6	H	10 12 „
19	18.738	20.22	90.0	20.59	89.8	.0378	.7734	19.02.6	H	11 12 „
20	17.778	20.26	90.8	20.60	90.1	.0385	.7736	19.02.5	H	Noon.
21	16.955	20.11	91.1	20.82	90.5	.0360	.7760	19.03.8	L	1 12 p.m.
22	17.298	19.88	91.5	20.96	91.2	.0322	.7775	19.04.9	L	2 12 „
23	18.042	19.62	91.6	20.90	91.6	.0279	.7769	19.05.2	L	3 12 „
June 16th-Noon.	18.670	19.43	91.4	20.97	91.6	.0249	.7776	19.04.8	L	4 12 „
1	18.807	19.42	90.9	20.98	91.9	.0247	.7777	19.04.9	N	5 12 „
2	19.013	19.36	90.1	20.99	91.3	.0237	.7778	19.06.1	N	6 12 „
3	19.013	19.38	89.7	21.00	90.8	.0240	.7780	19.06.2	N	7 12 „
4	19.047	19.25	88.8	21.09	90.2	.0219	.7789	19.06.7	N	8 12 „
5	19.561	19.29	88.5	21.10	90.0	.0226	.7791	19.06.7	H	9 12 „
6	19.630	19.27	88.5	21.19	89.7	.0223	.7800	19.07.2	H	10 12 „
7	19.973	19.45	88.0	21.28	89.4	.0252	.7810	19.07.2	H	11 12 „
8	20.179	19.46	88.0	21.27	89.1	.0254	.7809	19.07.1	H	Midnight.
9	20.316	19.51	87.7	21.32	88.7	.0262	.7815	19.07.3	L	1 12 a.m.
10	20.489	19.59	87.5	21.22	88.5	.0275	.7804	19.06.6	L	2 12 „
11	20.316	19.65	87.3	21.13	88.3	.0284	.7794	19.06.2	G	3 12 „
12	20.247	19.75	87.0	21.12	88.1	.0301	.7793	19.05.9	G	4 12 „
13	20.385	19.51	86.8	21.29	88.0	.0262	.7811	19.07.1	C	5 12 „
14	21.688	19.72	86.7	21.48	87.5	.0296	.7832	19.07.4	C	6 12 „
15	22.305	20.09	86.8	21.57	87.7	.0357	.7842	19.07.0	C	7 12 „
16	22.237	20.11	87.4	21.35	88.0	.0360	.7818	19.06.1	C	8 12 „
17	21.345	20.39	87.9	21.06	88.6	.0406	.7786	19.04.2	H	9 12 „
18	19.218	20.34	88.9	20.69	89.1	.0398	.7745	19.02.8	H	10 12 „
19	17.984	20.39	89.7	20.64	89.6	.0406	.7740	19.02.5	H	11 12 „
20	17.092	20.40	90.2	20.60	90.0	.0408	.7736	19.02.3	H	Noon.
21	16.612	20.17	90.5	20.75	90.6	.0370	.7752	19.03.4	G	1 12 p.m.
22	16.749	19.90	90.9	20.86	91.0	.0325	.7764	19.04.3	G	2 12 „
23	17.572	19.71	90.9	20.84	91.4	.0295	.7762	19.04.6	G	3 12 „

DAILY OBSERVATIONS FROM 17TH TO 20TH JUNE 1858.

Date. Göttingen Mean Time. 1853.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	'									h. m.
June 17th-Noon.	18'042	19.52	90°7	20.86	91°4	8.0263	2.7764	19°05'2	G	4 12 p. m.
1	18.327	19.27	90.0	20.84	91.2	.0223	.7762	19.05.6	C	5 12 „
2	18.670	19.47	89.1	20.93	90.9	.0256	.7772	19.05.5	C	6 12 „
3	18.944	19.37	88.5	20.97	90.0	.0239	.7776	19.06 0	C	7 12 „
4	18.807	19.46	88.1	20.97	89.8	.0254	.7776	19.05.8	C	8 12 „
5	19.013	19.47	88.1	21.07	89.3	.0256	.7789	19.06.2	H	9 12 „
6	19.287	19.53	88.1	21.11	89.1	.0265	.7792	19.06.2	H	10 12 „
7	19.973	19 33	88.0	21.27	89.0	.0232	.7809	19.07.4	H	11 12 „
8	20.247	19.30	88.0	21.27	89.0	.0227	.7809	19.07.4	H	Midnight.
9	20.316	19.30	87.7	21.31	88.6	.0227	.7814	19.07.6	G	1 12 a. m.
10	19.973	19.24	87.5	21.28	88.4	.0218	.7810	19.07.6	G	2 12 „
11	19.904	19.36	87.3	21.27	88.2	.0237	.7809	19.07.4	G	3 12 „
12	19.904	19.44	87.3	21.31	88.2	.0251	.7814	19.07.0	G	4 12 „
13	20.247	19.41	87.0	21.39	88.0	.0246	.7822	19.07.6	C	5 12 „
14	21.139	19.59	87.1	21.52	88.0	.0275	.7837	19.08.0	C	6 12 „
15	22.101	19.79	87.7	21.52	88.0	.0308	.7837	19.07.6	C	7 12 „
16	22.237	19.90	88.4	21.37	88.4	.0325	.7820	19.06.6	C	8 12 „
17	21.415	20.09	89.0	21.07	89.0	.0357	.7787	19.04.9	H	9 12 „
18	20.247	19.91	89.6	20.83	89.4	.0327	.7761	19.04.2	H	10 12 „
19	19.013	19.86	90.0	20.79	89.8	.0319	.7756	19.04.2	H	11 12 „
20	18.738	19.80	90.6	20.60	90.1	.0309	.7747	19.04.1	H	Noon.
21	18.875	19.72	91.0	20.54	90.6	.0296	.7729	19.03.4	B	1 12 p. m.
22	18.807	19.76	91.4	20.54	91.2	.0303	.7729	19.03.4	B	2 12 „
23	18.944	19.65	91.5	20.60	91.5	.0284	.7736	19.04.0	B	3 12 „
June 18th-Noon.	19.150	19.51	91.3	20.72	91.7	.0262	.7749	19.04.7	B	4 12 „
1	19.287	19.36	90.6	20.85	91.5	.0237	.7763	19.05.5	C	5 12 „
2	19.356	19.08	89.7	20.86	90.9	.0191	.7764	19.06.1	C	6 12 „
3	19.150	19.10	89.0	20.83	90.5	.0194	.7761	19.06.0	C	7 12 „
4	18.944	19.15	88.6	20.97	90.0	.0202	.7776	19.06.5	C	8 12 „
5	18.944	19.19	88.2	20.97	89.7	.0209	.7776	19.06.4	H	9 12 „
6	19.081	19.14	88.0	21.09	89.5	.0201	.7789	19.07.0	H	10 12 „
7	19.493	19.07	87.2	20.98	88.5	.0190	.7777	19.06.7	H	11 12 „
8	19.904	19.31	87.5	21.13	88.5	.0229	.7794	19.06.8	H	Midnight.
9	19.356	19.32	87.3	21.13	88.4	.0230	.7794	19.06.8	B	1 12 a. m.
10	19.904	19.37	87.2	21.18	88.2	.0239	.7799	19.06.9	B	2 12 „
11	19.973	19.51	87.2	21.24	87.9	.0262	.7806	19.06 9	B	3 12 „
12	20.110	19.55	87.0	21.25	87.7	.0263	.7807	19.06.9	B	4 12 „
13	21.002	19.54	86.8	21.35	87.7	.0267	.7818	19.07.3	C	5 12 „
14	22.305	19.53	86.4	21.47	87.3	.0265	.7831	19.07.8	C	6 12 „
15	22.854	19.87	86.3	21.40	86.9	.0321	.7824	19.06.8	C	7 12 „
16	22.168	20.22	86.6	21.20	86.8	.0378	.7802	19.05.2	C	8 12 „
17	21.139	20.28	87.8	20.92	87.4	.0388	.7771	19.03.8	H	9 12 „
18	20.042	20.17	88.0	20.69	87.9	.0370	.7745	19.03.2	H	10 12 „
19	18.670	19.96	88.9	20.73	88.2	.0335	.7750	19.03.8	H	11 12 „
20	17.915	19.86	89.5	20.79	88.9	.0319	.7756	19.04.2	H	Noon.
21	17.846	19.89	89.5	21.02	89.2	.0324	.7782	19.05.1	B	1 12 p. m.
22	17.778	19.82	89.5	21.05	89.4	.0314	.7785	19.05.5	B	2 12 „
23	18.327	19.56	89.7	21.09	89.7	.0270	.7789	19.06.1	B	3 12 „
June 20th-Noon.	20.110	18.37	88.0	21.04	88.6	.0075	.7784	19.08.0	C	4 12 „
1	20.179	18.66	87.6	21.13	88.0	.0122	.7794	19.08.2	C	5 12 „
2	20.385	18.29	87.0	21.18	87.4	.0062	.7799	19.08.8	C	6 12 „
3	20.042	18.31	86.5	21.19	87.0	.0065	.7800	19.08.8	C	7 12 „
4	19.973	18.36	86.0	21.33	86.1	.0073	.7816	19.09.4	C	8 12 „
5	19.973	18.49	85.9	21.39	86.0	.0095	.7822	19.09.6	H	9 12 „
6	20.385	18.57	85.4	21.51	85.7	.0108	.7836	19.10.1	H	10 12 „
7	20.522	18.75	85.3	21.56	85.4	.0137	.7841	19.09.9	H	11 12 „
8	20.796	18.74	85.2	21.51	85.3	.0136	.7836	19.09.7	H	Midnight.
9	20.522	18.79	85.2	21.43	85.2	.0144	.7827	19.09.4	B	1 12 a. m.
10	20.728	18.78	85.2	21.83	85.2	.0142	.7871	19.11.0	B	2 12 „
11	20.522	18.83	85.0	21.82	85.1	.0150	.7870	19.10.8	B	3 12 „

On the 17th, at about 19h. 30m., Dip as obtained by Observation was 18°59'7.

DAILY OBSERVATIONS FROM 20TH TO 22ND JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
June 20th—12	20'247	18.79	84°4	22.02	84°9	8.0144	2.7892	19°11'8	B	4 12 a. m.
13	21.139	18.79	83.8	22.11	84.5	.0144	.7902	19.12.2	C	5 12 „
14	21.482	18.83	83.7	22.12	84.0	.0150	.7903	19.12.1	C	6 12 „
15	22.032	18.78	84.0	22.09	84.1	.0142	.7899	19.12.1	C	7 12 „
16	21.208	19.10	84.5	21.90	84.7	.0194	.7879	19.10.6	C	8 12 „
17	20.522	19.47	84.6	21.87	84.2	.0256	.7875	19.09.6	H	9 12 „
18	19.287	19.63	85.6	21.80	85.0	.0281	.7868	19.09.1	H	10 12 „
19	18.738	19.73	86.4	21.66	85.4	.0298	.7852	19.08.2	H	11 12 „
20	18.189	19.71	87.0	21.60	86.0	.0295	.7846	19.08.1	H	Noon.
21	17.915	19.55	87.4	21.69	86.4	.0268	.7855	19.08.8	B	1 12 p. m.
22	18.464	19.35	87.6	21.62	87.0	.0235	.7888	19.08.7	B	2 12 „
23	18.738	19.10	87.3	21.68	86.6	.0194	.7854	19.09.7	B	3 12 „
June 21st-Noon.	19.630	18.87	87.3	21.77	86.9	.0157	.7864	19.10.4	B	4 12 „
1	20.453	18.81	87.1	21.75	86.8	.0147	.7862	19.10.4	C	5 12 „
2	20.865	18.58	86.6	21.76	86.7	.0109	.7863	19.11.1	C	6 12 „
3	20.865	18.64	86.2	21.67	86.6	.0119	.7853	19.10.6	C	7 12 „
4	20.385	18.59	85.8	21.77	86.0	.0111	.7864	19.11.1	C	8 12 „
5	20.110	18.60	85.7	21.83	86.0	.0112	.7871	19.11.4	H	9 12 „
6	20.042	18.49	85.1	21.82	85.5	.0095	.7870	19.11.5	H	10 12 „
7	19.973	18.50	84.2	21.90	85.1	.0096	.7879	19.11.8	H	11 12 „
8	19.904	18.62	84.4	21.97	84.7	.0115	.7886	19.11.8	H	Midnight.
9	19.561	18.76	84.4	21.96	84.4	.0139	.7885	19.11.4	B	1 12 a. m.
10	19.630	18.81	84.5	22.01	84.4	.0157	.7891	19.11.5	B	2 12 „
11	19.767	18.75	84.0	22.13	84.3	.0137	.7904	19.12.3	B	3 12 „
12	19.904	18.74	82.8	22.05	83.4	.0136	.7895	19.12.0	B	4 12 „
13	20.522	18.99	83.2	22.17	83.9	.0176	.7908	19.12.0	C	5 12 „
14	21.482	19.03	83.7	22.29	83.8	.0183	.7921	19.12.5	C	6 12 „
15	22.032	18.99	83.8	22.18	83.9	.0176	.7909	19.12.0	C	7 12 „
16	21.826	19.25	83.7	21.92	83.9	.0219	.7881	19.10.3	C	8 12 „
17	20.865	19.46	84.0	21.72	84.0	.0254	.7859	19.09.1	H	9 12 „
18	19.973	19.56	84.2	21.50	84.0	.0270	.7835	19.08.0	H	10 12 „
19	18.944	19.67	84.9	21.42	84.5	.0288	.7826	19.07.3	H	11 12 „
20	18.052	19.75	86.3	21.17	85.8	.0301	.7798	19.06.1	H	Noon.
21	17.503	19.64	86.6	21.38	86.3	.0283	.7821	19.07.3	B	1 12 p. m.
22	17.435	19.64	87.1	21.44	86.4	.0283	.7828	19.07.6	B	2 12 „
23	18.258	19.49	86.5	21.80	86.0	.0259	.7868	19.09.3	B	3 12 „
June 22nd-Noon.	19.356	19.20	85.6	21.93	85.4	.0211	.7882	19.10.5	B	4 12 „
1	19.904	19.03	85.0	21.90	85.0	.0183	.7879	19.10.8	C	5 12 „
2	19.630	19.00	84.7	21.87	84.8	.0178	.7875	19.10.7	C	6 12 „
3	19.287	18.98	84.6	21.72	84.8	.0174	.7859	19.10.2	C	7 12 „
4	19.287	19.08	84.5	21.83	84.9	.0191	.7871	19.10.3	C	8 12 „
5	19.424	19.16	84.7	21.85	85.0	.0204	.7873	19.10.3	H	9 12 „
6	19.561	19.02	84.8	21.80	85.0	.0181	.7869	19.10.4	H	10 12 „
7	19.699	18.94	84.1	21.90	84.6	.0168	.7879	19.10.9	H	11 12 „
8	20.179	19.13	84.1	21.98	84.6	.0199	.7887	19.10.9	H	Midnight.
9	19.973	19.17	84.1	21.94	84.5	.0206	.7883	19.10.6	B	1 12 a. m.
10	19.767	18.92	83.9	21.95	84.4	.0164	.7884	19.11.2	B	2 12 „
11	20.247	19.10	83.7	21.96	84.3	.0194	.7885	19.10.9	B	3 12 „
12	20.179	18.90	83.7	21.93	84.4	.0161	.7882	19.11.1	B	4 12 „
13	20.042	19.06	83.9	21.94	84.3	.0188	.7883	19.10.8	C	5 12 „
14	20.865	19.09	83.9	22.15	84.3	.0193	.7906	19.11.7	C	6 12 „
15	22.237	19.07	84.0	22.05	84.2	.0190	.7895	19.11.3	C	7 12 „
16	21.896	19.43	84.6	21.75	84.9	.0249	.7864	19.09.1	C	8 12 „
17	20.385	20.27	85.1	21.27	85.0	.0387	.7809	19.05.3	H	9 12 „
18	19.150	20.32	85.9	21.19	85.6	.0394	.7800	19.05.0	H	10 12 „
19	18.464	19.57	86.6	21.12	85.9	.0272	.7793	19.06.3	H	11 12 „
20	19.424	18.92	87.0	21.38	86.4	.0164	.7821	19.08.8	H	Noon.
21	18.601	18.85	87.4	21.40	86.9	.0153	.7824	19.09.0	B	1 12 p. m.
22	19.218	18.92	87.5	21.47	87.2	.0164	.7831	19.09.2	B	2 12 „
23	19.561	18.36	87.4	21.57	87.0	.0073	.7842	19.10.4	B	3 12 „

On the 21st, at about 18h. 45m., Dip as obtained by Observation was 18°59'7.

DAILY OBSERVATIONS FROM 23RD TO 25TH JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JUNE 23RD-Noon.	20'385	18.42	86°6	21.58	86°8	8.0083	2.7843	19°10'4	B	4 12 p. m.
1	20.042	18.29	86.1	21.49	86.3	.0062	.7833	19.10.2	C	5 12 ,,
2	20.247	18.46	85.9	21.58	86.0	.0090	.7843	19.10.2	C	6 12 ,,
3	18.944	18.73	85.5	21.50	85.9	.0134	.7835	19.09.8	C	7 12 ,,
4	17.984	18.69	85.4	21.59	85.8	.0127	.7844	19.10.1	C	8 12 ,,
5	20.796	18.63	85.2	21.89	85.8	.0117	.7877	19.11.5	H	9 12 ,,
6	19.561	18.71	85.0	21.70	85.8	.0131	.7857	19.10.7	H	10 12 ,,
7	20.110	18.26	85.1	21.77	85.8	.0057	.7864	19.11.3	H	11 12 ,,
8	20.590	18.11	85.0	22.01	85.7	.0032	.7891	19.12.8	H	Midnight.
9	21.415	17.64	84.9	22.02	85.6	7.9955	.7892	19.13.8	B	1 12 a. m.
10	21.345	17.66	84.9	21.89	85.5	.9958	.7877	19.13.3	B	2 12 ,,
11	21.551	18.31	84.8	22.06	85.4	8.0065	.7896	19.12.5	B	3 12 ,,
12	20.728	17.73	84.5	21.83	85.1	7.9970	.7871	19.12.9	B	4 12 ,,
13	19.699	18.15	84.1	21.83	85.0	8.0038	.7871	19.11.9	C	5 12 ,,
14	21.963	18.31	83.9	22.15	84.6	.0065	.7906	19.12.8	C	6 12 ,,
15	22.787	18.01	83.9	22.14	84.6	.0016	.7905	19.13.4	C	7 12 ,,
16	22.168	18.11	82.9	21.78	83.6	.0032	.7865	19.11.8	C	8 12 ,,
17	20.796	18.16	83.0	21.79	83.5	.0040	.7866	19.11.7	H	9 12 ,,
18	20.042	18.18	82.5	21.71	83.1	.0043	.7858	19.11.5	H	10 12 ,,
19	18.875	18.13	83.1	21.50	83.4	.0035	.7835	19.10.6	H	11 12 ,,
20	19.081	17.95	83.0	21.72	83.3	.0005	.7859	19.11.9	H	Noon.
21	19.013	17.85	82.7	21.82	83.3	7.9988	.7870	19.12.6	B	1 12 p. m.
22	19.699	17.39	82.5	21.95	83.2	.9914	.7884	19.14.2	B	2 12 ,,
23	20.247	17.48	82.0	21.90	82.5	.9929	.7879	19.13.8	B	3 12 ,,
JUNE 24TH-Noon.	19.424	17.41	81.4	22.00	81.5	.9918	.7890	19.14.3	B	4 12 ,,
1	20.247	17.53	81.0	22.18	81.0	.9937	.7909	19.14.8	C	5 12 ,,
2	21.278	17.70	80.8	22.26	80.7	.9965	.7918	19.14.8	C	6 12 ,,
3	21.002	17.54	81.0	22.25	81.0	.9939	.7917	19.15.2	C	7 12 ,,
4	20.865	17.43	81.1	22.49	81.2	.9921	.7943	19.16.4	C	8 12 ,,
5	20.453	17.15	80.5	22.45	81.0	.9874	.7939	19.17.0	H	9 12 ,,
6	21.071	17.42	80.7	22.38	81.0	.9919	.7931	19.15.9	H	10 12 ,,
7	20.110	17.98	81.2	22.15	81.5	8.0010	.7906	19.13.6	H	11 12 ,,
8	19.356	18.05	81.5	22.23	81.8	.0022	.7915	19.13.8	H	Midnight.
9	20.179	18.05	81.3	22.31	81.6	.0022	.7924	19.14.1	B	1 12 a. m.
10	20.385	18.52	81.4	22.25	81.7	.0099	.7917	19.13.4	B	2 12 ,,
11	20.522	18.18	80.8	22.31	81.5	.0043	.7924	19.13.9	B	3 12 ,,
12	19.904	18.14	80.6	22.24	81.3	.0037	.7916	19.13.6	B	4 12 ,,
13	20.453	18.50	80.4	22.38	81.0	.0096	.7931	19.13.9	C	5 12 ,,
14	21.482	18.52	80.8	22.64	81.0	.0099	.7960	19.15.0	C	6 12 ,,
15	23.335	18.46	80.9	22.67	81.0	.0090	.7963	19.14.7	C	7 12 ,,
16	22.718	18.27	81.6	22.15	81.5	.0059	.7906	19.12.9	C	8 12 ,,
17	21.208	18.51	82.1	21.90	81.9	.0098	.7879	19.11.8	H	9 12 ,,
18	20.042	18.46	82.7	21.73	82.5	.0090	.7860	19.10.8	H	10 12 ,,
19	18.532	18.35	82.0	21.72	82.3	.0071	.7859	19.11.1	H	11 12 ,,
20	17.984	18.41	82.0	21.72	82.3	.0082	.7859	19.11.0	H	Noon.
21	17.778	18.28	81.8	22.04	82.2	.0060	.7894	19.12.5	B	1 12 p. m.
22	18.052	17.92	81.6	22.16	81.9	.0000	.7907	19.13.8	B	2 12 ,,
23	19.356	17.49	80.8	22.29	81.4	7.9931	.7921	19.15.4	B	3 12 ,,
JUNE 25TH-Noon.	20.385	17.51	80.6	22.28	81.0	.9934	.7910	19.15.0	B	4 12 ,,
1	20.042	17.84	81.0	22.09	81.4	.9988	.7899	19.13.7	C	5 12 ,,
2	19.904	17.90	81.0	21.99	81.5	.9997	.7888	19.13.1	C	6 12 ,,
3	20.110	17.89	81.0	22.04	81.4	.9996	.7894	19.13.3	C	7 12 ,,
4	19.699	18.02	81.2	22.09	81.9	8.0017	.7899	19.13.2	C	8 12 ,,
5	20.042	17.97	80.9	22.39	81.4	.0009	.7932	19.14.6	H	9 12 ,,
6	19.767	18.25	80.8	22.41	81.0	.0055	.7935	19.14.1	H	10 12 ,,
7	19.904	18.17	81.0	22.39	81.3	.0042	.7932	19.14.2	H	11 12 ,,
8	20.042	18.24	81.4	22.35	81.7	.0054	.7928	19.13.9	H	Midnight.
9	20.042	18.16	81.1	22.40	81.5	.0040	.7934	19.14.3	B	1 12 a. m.
10	20.110	18.22	81.3	22.33	81.6	.0050	.7926	19.13.8	B	2 12 ,,
11	20.110	18.26	81.4	22.31	81.6	.0057	.7924	19.13.6	B	3 12 ,,

On the 24th, at about 19h., Dip as obtained by Observation was 19°10'6.

DAILY OBSERVATIONS FROM 25TH TO 28TH JUNE 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
JUNE 25TH—12	20°728	18.24	81°5	22.37	81°7	8.0054	2.7930	19°14'0	B	4 12 a. m.
13	21.208	18.31	81.5	22.45	82.0	.0065	.7939	19.14.1	C	5 12 „
14	22.581	18.42	81.1	22.56	81.9	.0083	.7951	19.14.5	C	6 12 „
15	23.267	18.66	81.4	22.46	82.0	.0122	.7940	19.14.0	C	7 12 „
16	23.198	19.13	81.6	22.10	82.0	.0199	.7901	19.11.4	C	8 12 „
17	21.826	18.98	82.2	21.58	82.7	.0174	.7843	19.09.6	H	9 12 „
18	19.630	19.04	82.9	21.35	82.9	.0185	.7818	19.08.3	H	10 12 „
19	18.807	18.81	83.4	21.25	83.2	.0147	.7807	19.08.4	H	11 12 „
20	18.258	18.85	84.1	21.32	84.0	.0153	.7815	19.08.7	H	Noon.
21	17.984	18.85	84.7	21.55	84.6	.0153	.7835	19.09.5	B	1 12 p. m.
22	17.984	18.69	84.7	21.72	84.8	.0127	.7859	19.10.7	B	2 12 „
23	18.738	18.50	84.6	21.69	84.8	.0096	.7866	19.11.3	B	3 12 „
JUNE 27TH—Noon.	19.973	18.49	85.7	24.44	86.2	.0095	.8158	19.22.8	H	4 12 „
1	20.247	18.12	85.1	24.48	86·4	.0033	.8162	19.23.2	C	5 12 „
2	20.453	18.14	84.8	24.40	85.5	.0037	.8154	19.22.9	C	6 12 „
3	20.110	18.19	84.3	24.35	85.2	.0045	.8148	19.22.5	C	7 12 „
4	20.042	18.09	84.0	24.45	85.0	.0029	.8159	19.23.2	C	8 12 „
5	19.904	18.08	83.5	24.42	84.1	.0027	.8156	19.23.1	H	9 12 „
6	19.630	18.19	82.9	24.55	83.5	.0070	.8170	19.23.1	H	10 12 „
7	19.218	18.34	82.9	24.58	83.4	.0076	.8173	19.23.1	H	11 12 „
8	19.636	18.38	82.5	24.73	82.8	.0078	.8190	19.23.8	H	Midnight.
9	19.973	18.39	82.6	24.74	83.0	.0088	.8191	19.23.6	B	1 12 a. m.
10	20.179	18.45	82.4	24.73	83.8	.0088	.8190	19.23.6	B	2 12 „
11	19.973	18.50	82.5	24.74	83.0	.0096	.8191	19.24.0	B	3 12 „
12	20.042	18.49	82.5	24.74	83.0	.0095	.8191	19.24.0	B	4 12 „
13	20.522	18.43	82.5	24.84	83.0	.0085	.8202	19.24.0	C	5 12 „
14	21.826	18.51	82.3	24.79	83.0	.0098	.8196	19.24.2	C	6 12 „
15	22.444	18.63	82.4	24.78	82.9	.0117	.8195	19.23.9	C	7 12 „
16	22.787	19.07	82.9	24.59	83.0	.0190	.8174	19.22.1	C	8 12 „
17	22.991	19.26	83.9	24.26	83.8	.0221	.8138	19.20.4	H	9 12 „
18	21.551	19.57	83.8	23.85	83.4	.0272	.8093	19.18.0	H	10 12 „
19	20.110	19.59	84.8	23·28	84.3	.0275	.8030	19.15.5	H	11 12 „
20	17.984	19.44	85.0	23.07	85.0	.0251	.8007	19.14.9	H	Noon.
21	16.886	19.43	84.7	23.39	84.5	.0249	.8042	19.16.2	B	1 12 p. m.
22	17.366	19.27	84.7	23.89	84.3	.0223	.8097	19.18.8	B	2 12 „
23	18.601	18.80	84.4	23.58	84.4	.0145	.8283	19.26.9	B	3 12 „
JUNE 28TH—Noon.	19.767	18.50	84.4	26.97	84.3	.0096	.8436	19.33.7	B	4 12 „
1	20.453	18.30	84.0	27.01	84.3	.0063	.8441	19.33.8	C	5 12 „
2	20.522	18.30	84.0	26.91	84.0	.0063	.8430	19.33.4	C	6 12 „
3	19.767	18.41	83.8	26.80	84.0	.0082	.8418	19.32.7	C	7 12 „
4	19.356	18.38	83.6	26.87	84.0	.0076	.8425	19.33.0	C	8 12 „
5	19.561	18.30	83.4	26.92	84.0	.0063	.8431	19.33.4	H	9 12 „
6	19.767	18.38	83·5	26.92	84.0	.0076	.8431	19.33.2	H	10 12 „
7	20.042	18.33	83.5	26.94	84.0	.0068	.8433	19.33.4	H	11 12 „
8	20.453	18.35	82.9	26.92	83.2	.0071	.8431	19.33.3	H	Midnight.
9	20.179	18.59	82.8	26·95	83.0	.0111	.8434	19.33.4	B	1 12 a. m.
10	20.179	18.53	82.8	27.02	83.2	.0101	.8442	19.33.8	B	2 12 „
11	20.042	18.50	82.9	27.02	83.2	.0106	.8442	19.33.7	B	3 12 „
12	20.042	18.54	82.8	27.00	83.2	.0103	.8440	19.33.8	B	4 12 „
13	20.110	18.66	82.6	27.04	83.1	.0122	.8444	19.33.6	C	5 12 „
14	21.345	18.80	82.6	27.21	83.0	.0145	.8464	19.33.9	C	6 12 „
15	22.168	18.93	83.0	27.05	83.1	.0166	.8445	19.33.1	C	7 12 „
16	21.551	19.03	83.6	26.61	83.8	.0183	.8397	19.31.1	C	8 12 „
17	20.522	19.30	84.4	26.32	84.1	.0227	.8365	19.29.1	H	9 12 „
18	19.287	19.53	85.5	26.20	85.0	.0265	.8352	19.28.1	H	10 12 „
19	18.395	19.30	86.0	26.08	86.0	.0227	.8338	19.28.1	H	11 12 „
20	18·395	19.39	86.4	26.04	86.2	.0242	.8334	19.27.8	H	Noon.
21	17.503	19.44	86.4	25.99	86.4	.0251	.8328	19.27.4	B	1 12 p. m.
22	17.023	19.30	85.6	26.13	86.0	.0227	.8344	19.28.3	B	2 12 „
23	17.366	19.19	85.1	26.31	85.7	.0209	.8364	19.29.3	B	3 12 „

On the 28th, at about 19h., Dip as obtained by Observation was 19°14'7.

DAILY OBSERVATIONS FROM 29TH JUNE TO 1ST JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
June 29th-Noon.	18'189	19.00	85°0	26.57	85°5	8.0178	2.8392	19°30'8	B	4 12 p. m.
1	19.013	18.89	84.8	26.64	85.4	.0160	.8400	19.31.4	C	5 12 ,,
2	19.561	18.60	83·7	26.56	83.8	.0112	.8391	19.31.7	C	6 12 ,,
3	19·561	18·59	83.3	26.65	83.5	.0111	.8401	19.32.1	C	7 12 ,,
4	19.424	18.59	83.5	26.66	83.8	.0111	.8402	19.32.1	C	8 12 ,,
5	19.356	18.60	83.8	26.35	83.9	.0112	.8368	19.30.8	H	9 12 ,,
6	19.699	18.56	83.0	26.46	83.5	·0106	.8380	19.31.3	H	10 12 ,,
7	19.836	18.68	83.4	26.41	83.8	·0125	.8375	19.30.8	H	11 12 ,,
8	20.179	18.63	82·8	26.45	83.2	.0117	.8379	19.31.0	H	Midnight.
9	19.699	18.73	82.8	26.53	83.2	.0134	.8388	19.31.3	B	1 12 a. m.
10	19.767	18.77	83.0	26.52	83.3	.0141	.8387	19.31.2	B	2 12 ,,
11	19.699	18.93	83.1	26.48	83.4	.0134	.8382	19.31.0	B	3 12 ,,
12	19.767	18·56	82.7	26.52	83.2	.0109	.8387	19.31.6	B	4 12 ,,
13	19.836	18.54	81.6	26.57	82.4	.0103	.8392	19.31.8	C	5 12 ,,
14	20.590	18.68	81.6	26.87	82.3	.0125	.8425	19.32.8	C	6 12 ,,
15	21.415	18.81	81.0	26.86	82.0	.0147	.8424	19.32.4	C	7 12 ,,
16	21.963	19.24	81.7	26.95	82.0	.0218	.8434	19.31.9	C	8 12 ,,
17	22.649	19.38	81.8	26.81	81.9	.0240	.8419	19.31.1	H	9 12 ,,
18	22.374	19.79	82.6	26.37	82.2	.0308	.8370	19.28.3	H	10 12 ,,
19	19.904	19.85	83.7	25.99	83.0	.0317	.8328	19.26.5	H	11 12 ,,
20	18.327	20.10	84.4	25.87	83.9	.0358	.8315	19.25.5	H	Noon.
21	17.092	20.14	84.3	25.85	83.7	.0365	.8313	19.25.3	B	1 12 p. m.
22	15.994	20.10	84.2	25.98	83.6	.0358	.8327	19.26.0	B	2 12 ,,
23	17.229	18.98	84.6	26.19	84.1	.0174	.8350	19.29.4	B	3 12 ,,
June 30th-Noon.	17.778	18.23	84.6	26.26	84.5	.0052	.8358	19.30.7	B	4 12 ,,
1	19.150	17.98	83.9	26.47	84.1	·0010	.8370	19.31·7	C	5 12 ,,
2	19.973	17.85	82.3	26.54	83·0	7.9989	.8378	19.32.3	C	6 12 ,,
3	19.561	18.09	82.0	26.36	82.8	8.0029	.8369	19.31.3	C	7 12 ,,
4	19.081	18.25	82·2	26.48	82.6	.0055	·8382	19.31.4	C	8 12 ,,
5	19.493	18.17	81.9	26.47	82.4	.0042	.8381	19.31.7	H	9 12 ,,
6	19.287	18.30	82.0	26.58	82.5	.0063	.8393	19.31.9	H	10 12 ,,
7	19.699	18.38	82.4	26.68	82.8	.0076	.8404	19.32.1	H	11 12 ,,
8	20.179	18.34	82.4	26.63	82.8	.0070	.8399	19.32.0	H	Midnight.
9	20·453	18.39	82.5	26.59	82.9	.0078	.8394	19.31.7	B	1 12 a. m.
10	20.110	18.45	82.5	26.54	83.0	.0088	.8389	19.31.3	B	2 12 ,,
11	20.179	18.30	82.3	26.57	82.9	.0063	.8392	19.31.8	B	3 12 ,,
12	20.110	18.42	82.3	26.58	82.8	.0083	.8393	19.31.7	B	4 12 ,,
13	20.522	18.46	82.0	26.73	82.5	.0090	.8410	19.32.2	C	5 12 ,,
14	21.619	18.55	82.1	26.86	82.5	.0104	.8424	19.33.1	C	6 12 ,,
15	22.444	18.77	82.3	26.77	82.3	.0141	.8414	19.32.2	C	7 12 ,,
16	22.315	19.02	83.1	26.49	83.0	.0181	.8383	19.30.4	C	8 12 ,,
17	21.415	19.41	84.1	26.16	83.8	.0246	.8347	19.28.2	H	9 12 ,,
18	19.424	19.78	85.0	25.82	88.1	.0306	.8310	19.26.0	H	10 12 ,,
19	16.474	19.82	85.9	25.84	85.3	.0312	.8312	19.26.0	H	11 12 ,,
20	15.240	19.75	86.4	25.98	85.9	.0301	.8327	19.26.8	H	Noon.
21	14.759	19.56	86.8	25.85	86.5	.0270	.8313	19.26.6	B	1 12 p. m.
22	14.004	19.44	86.8	25.75	86·7	.0251	.8302	19.26.3	B	2 12 ,,
23	14.347	19.28	87.2	25.92	87.4	.0224	.8321	19.27.5	B	3 12 ,,
July 1st-Noon.	17.160	18.25	87.1	26.23	87.5	.0055	.8355	19.30.5	B	4 12 ,,
1	19.767	17.83	86.6	26.22	87.2	7.9986	.8354	19·31.4	C	5 12 ,,
2	20.590	17.86	86·0	25.96	86.9	.9991	.8325	19.30.3	C	6 12 ,,
3	18.875	17.93	85.5	25.84	86.3	8.0002	.8312	19.29.5	C	7 12 ,,
4	19.013	17.87	85.0	25.98	86.0	7.9993	.8327	19.30.4	C	8 12 ,,
5	19.013	17.89	84.5	25.97	85.6	.9996	.8326	19.30.1	H	9 12 ,,
6	19.767	18.23	84.6	26.00	85.1	8.0052	.8330	19.29.6	H	10 12 ,,
7	19.973	18·31	84.4	26.10	85.0	.0065	.8341	19.29.8	H	11 12 ,,
8	20.179	18.32	84.2	26.14	84.8	.0066	.8345	19.30.0	H	Midnight.
9	20.453	18.31	83.9	26.19	84·5	.0065	.8350	19.30.2	B	1 12 a. m.
10	20.522	18.48	83.7	26.19	84.5	.0093	.8350	19.29.9	B	2 12 ,,
11	20.796	18.44	83.7	26.21	84.5	·0087	.8353	19.30.0	B	3 12 ,,

DAILY OBSERVATIONS FROM 1ST TO 4TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date, Bombay Civil Time. 1858.
h.										h. m.
July 1st—12	20·796	18.50	83°5	26.19	84°3	8.0096	2.8350	19°30′3	B	4 12 a. m.
13	21.415	18.52	83.3	26.29	84.0	.0099	.8361	19.30.3	C	5 12 „
14	21.551	18.59	83.5	26.38	84.0	.0111	.8371	19.30.9	C	6 12 „
15	22.581	18.66	83.8	26.47	84.0	.0122	.8381	19.31.1	C	7 12 „
16	23.609	18.73	84.3	26·35	84.5	.0134	.8368	19.30.5	C	8 12 „
17	22.168	19.03	85.0	25·95	85.0	.0183	.8324	19.28.2	H	9 12 „
18	20.522	19.25	85.5	25.71	85.2	.0219	.8298	19.26.6	H	10 12 „
19	18.601	19.32	85.3	25.46	85.2	.0230	.8270	19.25.4	H	11 12 „
20	17.503	19.22	84.8	25·65	84.9	.0214	.8291	19.26.5	H	Noon.
21	18.052	19.26	86.4	25.70	85.7	.0221	.8297	19.26.6	B	1 12 p. m.
22	18.464	19.04	87.2	25.72	86.6	.0185	.8299	19.27.0	B	2 12 „
23	18.601	18.67	87.6	25·72	87.3	.0124	.8299	19.27.9	B	3 12 „
July 2nd-Noon.	19.150	18.78	87.5	25.72	87.4	.0142	.8299	19.27.7	B	4 12 „
1	19.561	18.44	86·8	25.77	87.1	.0087	.8304	19.28.0	C	5 12 „
2	19.493	18.35	86·0	25·69	86.9	.0071	.8295	19·28.0	C	6 12 „
3	19.630	18.40	85.6	25.74	86.3	.0080	.8301	19.28.1	C	7 12 „
4	19.767	18.45	85.1	25.78	86.0	.0088	.8305	19.28.1	C	8 12 „
5	20.179	18.43	84.9	25.87	85.8	.0085	.8315	19.28.5	H	9 12 „
6	20.179	18.45	84·8	25.86	85.2	.0088	.8314	19.28.4	H	10 12 „
7	20.247	18.37	84·8	25.93	85.1	.0075	.8322	19.28.9	H	11 12 „
8	20.659	18.35	84.5	26.00	85.0	.0071	.8330	19.29·4	H	Midnight.
9	20.110	18.37	84.3	25·97	84.9	.0075	.8326	19.29.1	B	1 12 a. m.
10	20.110	18.42	84.2	26.08	84.8	.0083	.8338	19.29.6	B	2 12 „
11	19.973	18.47	84.1	26.06	84.6	.0092	.8336	19.29.3	B	3 12 „
12	20.042	18.32	83.9	26.09	84.6	.0066	.8339	19.29.7	B	4 12 „
13	19.904	18.66	83.8	26·14	84.5	.0122	.8345	19.29.8	C	5 12 „
14	21.455	18.57	83.8	26.46	84.4	.0108	.8380	19.31.3	C	6 12 „
15	22.787	18.62	84.0	26.44	84.1	.0115	.8378	19.31.0	C	7 12 „
16	22.787	18.89	84.6	26.02	84.7	.0160	.8332	19.28.7	C	8 12 „
17	21.415	19.20	85.4	25.60	85.1	.0211	.8286	19.26.3	H	9 12 „
18	20.110	19.56	86.0	25.37	85.8	.0270	.8260	19.24.5	H	10 12 „
19	18.738	19.83	86·7	25.39	86.3	.0314	.8262	19.24.0	H	11 12 „
20	17.778	19.66	87·2	25.17	87.0	.0286	.8238	19.23.4	H	Noon.
21	17.778	19.42	87.6	25.45	87.5	.0247	.8269	19.25.0	B	1 12 p. m.
22	17.846	19.24	87.8	25.36	87.8	.0208	.8259	19.25.1	B	2 12 „
23	17.503	19.09	87.9	25.30	88.1	.0193	.8253	19.25.3	B	3 12 „
July 4th-Noon.	18.052	18.74	87.7	25.32	88.3	.0136	.8255	19.26.1	B	4 12 „
1	17.984	18.46	87.5	25.33	87.8	.0090	.8256	19.26.2	B	5 12 „
2	18.464	18.52	87.0	25.39	87.5	.0099	.8262	19.26.7	B	6 12 „
3	18.532	18.96	86.3	25.42	86.8	.0171	.8266	19.26.0	B	7 12 „
4	18.121	18.78	85.8	25.56	86.5	.0142	.8281	19.27.0	B	8 12 „
5	18.052	18·97	85.5	25.53	86.1	.0173	.8278	19.26.5	C	9 12 „
6	18.944	18.68	85.2	25·69	85.9	.0125	.8295	19.27.7	C	10 12 „
7	19.493	18.60	85.0	25.81	85.8	.0112	.8309	19.28.5	C	11 12 „
8	19.424	18.70	85.0	25.73	85.6	.0129	.8300	19.27.9	C	Midnight.
9	19.836	18.58	84.8	25.78	85.2	.0109	.8305	19.28.4	H	1 12 a. m.
10	19.973	18.50	84.8	25.80	85.0	.0096	.8308	19.28.6	H	2 12 „
11	20.042	18.41	84.7	25.89	85.0	.0082	.8317	19.28.8	H	3 12 „
12	19.973	18.50	84.5	25.90	85.0	.0096	.8319	19.29.0	H	4 12 „
13	20.179	18.41	84.4	26.00	85.0	.0082	.8330	19.29.3	B	5 12 „
14	21.139	18.80	84.4	26.11	85.0	.0145	.8342	19.29.2	B	6 12 „
15	22.032	18.83	84.6	26.11	85.0	.0150	.8342	19.29.2	B	7 12 „
16	21.963	18.59	85.1	25.81	85.2	.0111	.8309	19.28.5	B	8 12 „
17	21.139	18.99	85.9	25.46	85.8	.0196	.8270	19.26.1	C	9 12 „
18	20.110	19.12	86.6	25·11	86.1	.0199	.8232	19.24.3	C	10 12 „
19	18.601	19.24	87.3	24.96	87.0	.0218	.8215	19.23.4	C	11·12 „
20	17.846	19.53	88.1	24·93	87.7	.0265	.8212	19.22.6	C	Noon.
21	17.915	19·35	88.5	24.94	88.1	.0235	.8213	19.23.1	H	1 12 p. m.
22	17.366	18.96	88.9	25·06	88.6	.0171	.8226	19.24.5	H	2 12 „
23	18.189	18.46	88.9	25.23	89.0	.0090	.8245	19.25.6	H	3 12 „

On the 1st, at about 19h., Dip as obtained by Observation was 19°13′8.
On the 2nd, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 5TH TO 7TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 5th-Noon.	19'424	18.41	88°6	25.36	88°9	8.0082	2.8259	19°26'5	H	4 12 p. m.
1	20.453	18.23	87.8	25.49	88.0	.0052	.8273	19.27.3	B	5 12 ,,
2	20.179	18.31	87.3	25.38	87.5	.0065	.8261	19.26.6	B	6 12 ,,
3	20.042	18.09	86.6	25.42	87.3	.0029	.8266	19.27.3	B	7 12 ,,
4	20.110	18.11	86.3	25·54	86.7	.0032	.8279	19.27.8	B	8 12 ,,
5	19.767	18.34	85.9	25.53	86.3	.0070	.8278	19.27.3	C	9 12 ,,
6	20.179	18.20	85.7	25.67	86.1	.0047	.8293	19.28.1	C	10 12 ,,
7	21.276	18.13	84.8	25·78	85.6	.0035	.8305	19.28.8	C	11 12 ,,
8	21.379	17.95	84.2	25.86	85.2	.0005	.8314	19.29.5	C	Midnight.
9	21.895	17.88	84.5	25.85	85.0	7.9994	.8313	19.29.8	H	1 12 a. m.
10	23.198	17.89	84.5	26.00	85.0	.9996	.8330	19.30.3	H	2 12 ,,
11	22.923	17.91	84.1	25.95	85.0	.9999	.8324	19·30.0	H	3 12 ,,
12	23.609	18.54	83.9	26.06	84.3	8.0103	.8336	19.29.7	H	4 12 ,,
13	22.787	18.20	83·9	26.05	84.4	.0047	.8335	19.29.8	B	5 12 ,,
14	23.884	18.33	83.9	26.24	84.5	.0068	.8356	19.30.4	B	6 12 ,,
15	24.295	18.41	84.4	26.19	84.6	.0082	.8350	19.30.1	B	7 12 ,,
16	23.060	18.96	85.0	25.70	85.1	·0171	.8297	19.27.3	B	8 12 ,,
17	20.796	19.34	85.6	25.47	85.5	.0234	.8271	19.25.4	C	9 12 ,,
18	20.042	19.56	86.7	25.19	86.4	.0270	.8240	19.23.8	C	10 12 ,,
19	19.493	19.34	86.7	25.10	86.5	.0234	.8231	19.23.9	C	11 12 ,,
20	18.464	19.11	87.1	25.19	87.0	.0196	.8249	19.24.7	C	Noon.
21	17.915	18.91	88.0	25.30	87.6	.0163	.8253	19.25.7	H	1 12 p. m.
22	18.327	18.86	88.5	25·54	88.0	.0155	.8279	19.26.6	H	2 12 ,,
23	19.013	18.74	88·5	25.65	88.2	.0136	.8291	19.27.4	H	3 12 ,,
July.6th-Noon.	19.699	18.38	88.0	25.55	88.3	.0076	.8280	19.27.3	H	4 12 ,,
1	20.042	18.12	87.5	25.46	87.6	·0033	.8270	19.27.5	B	5 12 ,,
2	20·042	18.00	86.7	25.53	87.5	.0014	.8278	19.28.1	B	6 12 ,,
3	20.316	17.91	86.3	25.65	87.3	7.9999	.8291	19.28.7	B	7 12 ,,
4	20.247	17.93	85.9	25.66	86.7	8.0002	.8292	19.28.7	B	8 12 ,,
5	19.904	18.10	85.6	25.70	86.5	.0030	.8297	19.28.6	C	9 12 ,,
6	20.316	18.24	85.4	25.83	86.1	.0054	.8311	19.28.8	C	10 12 ,,
7	19.767	18.40	85.1	25·88	86.0	.0080	.8316	19.28.7	C	11 12 ,,
8	20·042	18.33	85.0	25.89	86.0	.0068	.8317	19.28.9	C	Midnight.
9	20.796	18.34	85.0	25.97	85.7	.0070	.8326	19.29.2	H	1 12 a. m.
10	20.796	18.29	84.7	25·97	85.5	.0062	.8326	19.29.3	H	2 12 ,,
11	20.522	18.31	84.5	25.96	85.4	.0065	.8325	19.29.2	H	3 12 ,,
12	20.865	18.56	84.2	26.10	85·0	.0106	.8330	19.29.4	H	4 12 ,,
13	21·208	18.36	84.2	26.19	85·0	.0073	.8350	19.30.2	B	5 12 ,,
14	22.581	18.39	84.2	26.40	84.9	.0078	.8374	19.30.9	B	6 12 ,,
15	23.609	18.29	84.2	26.41	84.9	.0062	.8375	19.31.2	B	7 12 ,,
16	23.060	18.46	84.6	26.10	85.0	.0090	.8341	19.29.5	B	8 12 ,,
17	21.688	18.85	84.9	25.71	85.1	.0153	.8298	19.27.5	C	9 12 ,,
18	20.453	18.78	85.0	25.47	85.5	.0142	.8271	19.26.6	C	10 12 ,,
19	18.875	18.81	84.3	25.20	85.0	.0147	.8242	19.25.3	C	11 12 ,,
20	17.984	18.90	83.7	25.44	84.0	.0161	.8268	19.26.2	C	Noon.
21	18.395	18.82	83.0	25.71	83.7	.0148	.8298	19.27.5	H	1 12 p. m.
22	17·915	18.71	83.0	26.02	83.2	.0131	.8332	19.29.1	H	2 12 ,,
23	18.395	18.65	82.9	26.29	83.1	.0120	.8361	19.30.3	H	3 12 ,,
July 7th-Noon.	19·013	18.56	82·7	26.44	83.0	.0106	.8378	19.31.2	H	4 12 ,,
1	19.630	18.26	82.4	26.44	83.0	.0057	.8378	19.31.3	B	5 12 ,,
2	20.042	18.41	83.0	26.33	83.3	.0082	·8366	19.30.6	B	6 12 ,,
3	19.699	18.47	83.1	26.16	83.5	.0092	.8347	19.29.8	B	7 12 ,,
4	19.493	18.49	83.2	26.17	83.5	.0095	.8348	19·30.2	B	8 12 ,,
5	19.630	18.48	83.3	26.21	83.8	.0093	.8353	19.30.0	C	9 12 ,,
6	19.767	18.49	83.3	26.24	83.9	.0095	.8356	19.30.5	C	10 12 ,,
7	19.767	18.62	83.1	26.26	83.8	.0115	.8358	19.30.3	C	11 12 ,,
8	19.904	18.60	83.0	26.30	83.6	.0112	.8363	19.30.6	C	Midnight.
9	20.110	18.60	82.9	26.30	83.4	.0112	.8363	19.30.6	H	1 12 a. m.
10	20.110	18·59	82.8	26.35	83.2	.0111	.8368	19.30.8	H	2 12 ,,
11	20.110	18.51	82·2	26.37	82.9	.0098	.8370	19.31·0	H	3 12 ,,

On the 5th, at about 19h. 45m., Dip as obtained by Observation was 19°10'6.

DAILY OBSERVATIONS FROM 7TH TO 9TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 7th—12	20·316	18.45	81·8	26.37	82·3	8.0088	2.8370	19°30′6	H	4 12 p.m.
13	20.179	18.53	81.5	26.29	82.3	.0101	.8361	19.30.6	B	5 12 „
14	20.385	18.60	81.7	26.44	82.5	.0112	·8378	19.31.2	B	6 12 „
15	21.619	18.70	82.0	26.45	82.6	.0129	.8379	19.30.9	B	7 12 „
16	21.415	18.95	82.3	26.38	82.6	.0169	.8371	19.30.1	B	8 12 „
17	21.139	19.21	82.6	26.15	82.9	.0213	.8346	19.28.7	C	9 12 „
18	20.042	19.54	83.9	25.65	83.4	.0267	.8291	19.25.7	C	10 12 „
19	18.327	19.65	84.6	25.32	84.0	.0284	.8255	19.24.3	C	11 12 „
20	17.641	19.71	85.0	25.43	84.2	.0295	.8267	19.24.4	C	Noon.
21	17.709	19.52	85.7	25.45	85.0	.0263	.8269	19.24.9	H	1 12 p.m.
22	17.709	19.15	84.9	25.59	84.8	.0202	.8284	19.26.3	H	·2 12 „
23	18.532	18.88	84.3	25.62	84.8	.0158	.8288	19.27.0	H	3 12 „
July 8th-Noon.	18.601	18.60	83.4	25.82	84.0	.0112	.8310	19.28.6	H	4 12 „
1	19.218	18.52	82.0	25.89	82.8	.0099	.8317	19.29.0	B	5 12 „
2	20.179	18.36	81.5	25.96	82.5	.0073	.8325	19.29.2	B	6 12 „
3	19.424	18.35	81.5	25.98	82.5	.0071	.8327	19.29.3	B	7 12 „
4	19.424	18.45	81.7	26.12	82.5	.0088	.8343	19.29.6	B	8 12 „
5	19.356	18.49	81.7	26.21	82.1	.0095	.8353	19.30.4	C	9 12 „
6	19.424	18.60	81.7	26.27	82.1	.0112	.8359	19.30.6	C	10 12 „
7	19.630	18.65	81.8	26.27	82.0	.0120	.8359	19.30.3	C	11 12 „
8	19.904	18.66	81.9	26.27	82.2	.0122	.8359	19.30.3	C	Midnight.
9	20.247	18.72	82.0	26.27	82.4	.0132	.8359	19.30.2	H	1 12 a.m.
10	20.659	18.74	81.9	26.31	82.4	.0136	.8364	19.30.2	H	2 12 „
11	20.796	18.73	81.8	26.31	82.4	.0134	.8364	19.30.3	H	3 12 „
12	20.728	18.73	81.8	26.27	82.3	.0134	.8359	19.30.2	H	4 12 „
13	20·385	18.74	81.8	26.29	82.4	.0136	.8361	19.30.1	B	5 12 „
14	21.551	18.82	81.7	26.44	82.4	.0148	.8378	19.30.6	B	6 12 „
15	22.237	18.89	81.6	26.35	82.3	.0160	.8368	19.30.1	B	7 12 „
16	22.101	19.15	82.0	26.14	82.4	.0202	.8345	19.28.8	B	8 12 „
17	21.688	19.39	82.9	25.97	82.9	.0242	.8326	19.27.5	C	9 12 „
18	21.002	19.63	83.0	25.54	82.9	.0281	.8279	19.25.1	C	10 12 „
19	18.738	19.72	83.1	25.54	83.0	.0296	.8279	19.24.8	C	11 12 „
20	18.052	19.63	83.9	25.50	83.4	.0281	.8275	19.25.0	C	Noon.
21	18.052	19.64	84.8	25.47	84.0	.0283	.8271	19.24.8	H	1 12 p.m.
22	17.298	19.45	85.0	25.59	84.8	.0252	.8284	19.25.6	H	2 12 „
23	17.641	19.32	85.5	25.66	85.2	.0230	.8292	19.26.2	H	3 12 „
July 9th-Noon.	18.601	19.09	84.8	25.74	85.1	.0193	.8301	19.27.1	H	4 12 „
1	19.218	18.78	84.1	25.78	84.3	.0142	.8305	19.28.0	B	5 12 „
2	19.081	18.66	83.7	25.77	84.1	.0122	.8304	19.28.1	B	6 12 „
3	18.807	18.62	83.5	25.76	83.8	.0115	.8303	19.28.1	B	7 12 „
4	19.081	18.63	82.9	25.82	83.4	.0117	.8310	19.28.4	B	8 12 „
5	19.767	18.44	82.6	25.97	83.1	.0087	.8326	19.28.9	C	9 12 „
6	19.699	18.51	82.2	26.08	82.7	.0098	.8338	19.29.8	C	10 12 „
7	19.767	18.49	82.0	26.13	82.5	.0095	.8344	19.30.0	C	11 12 „
8	19.973	18.52	81.7	26.06	82.1	.0099	.8336	19.29.7	C	Midnight.
9	20.385	18.74	81.7	26.06	82.1	.0136	.8336	19.29.2	H	1 12 a.m.
10	20.042	18.55	81.3	26.16	82.0	.0104	.8347	19.30.2	H	2 12 „
11	20.179	18.59	81.3	26.16	82.0	.0111	.8347	19.30.1	H	3 12 „
12	20.179	18.57	81.3	26.27	81.8	.0108	.8359	19.30.5	H	4 12 „
13	20.865	18.61	81.4	26.39	81.8	.0114	.8372	19.30.9	B	5 12 „
14	22.305	18.64	81.4	26.47	81.8	.0119	.8381	19.31.1	B	6 12 „
15	22.237	18.85	81.6	26.26	82.0	.0153	.8358	19.29.9	B	7 12 „
16	22.032	18.97	82.1	26.02	82.0	.0173	.8332	19.28.6	B	8 12 „
17	20.453	19.18	82.8	25.75	82.3	.0207	.8302	19.26.9	C	9 12 „
18	19.013	19.69	83.0	25.58	82.8	.0291	.8283	19.25.1	C	10 12 „
19	17.778	19.77	83.9	25.71	83.1	.0305	.8298	19.25.5	C	11 12 „
20	17.160	19.37	83.5	25.87	82.9	.0239	.8315	19.27.1	C	Noon.
21	17.298	19.30	83.0	25.98	82.5	.0227	.8327	19.27.7	H	1 12 p.m.
22	17.778	19.11	83.1	26.03	82.6	.0196	.8333	19.28.3	H	2 12 „
23	17.778	18.97	83.2	25.96	83.0	.0173	.8325	19.28.4	H	3 12 „

On the 8th, at about 19h. 30m., Dip as obtained by Observation was 19°04′4.

DAILY OBSERVATIONS FROM 11TH TO 13TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 11th-Noon.	17'846	18.95	8°26	25.63	83°0	8.0169	2.8289	19°26'9	B	4 12 p. m.
1	18.601	18.90	83.0	25.95	83.2	.0161	.8324	19.28.4	B	5 12 ,,
2	19.356	18.78	82.9	25.95	83.2	.0142	.8324	19.28.7	B	6 12 ,,
3	19.081	18.73	82.8	26.00	83.2	.0134	.8330	19.29.1	B	7 12 ,,
4	19.218	18.66	82.6	26.04	83.1	.0122	.8334	19.29.3	B	8 12 ,,
5	19.287	18.69	82.5	26.10	82.8	.0127	.8341	19.29.5	B	9 12 ,,
6	19.630	18.60	81.8	26.17	82.4	.0112	.8348	19.30.1	C	10 12 ,,
7	19.904	18.60	81.6	26.22	82.4	.0112	.8354	19.30.3	C	11 12 ,,
8	19.973	18.73	81.8	26.26	82.6	.0134	.8358	19.30.2	C	Midnight.
9	20.042	18.67	81.9	26.22	82.4	.0124	.8354	19.30.1	H	1 12 a. m.
10	20.110	18.77	81.5	26.23	82.0	.0141	.8355	19.30.0	H	2 12 ,,
11	20.247	18.76	81.6	26.23	82.0	.0139	.8355	19.30.0	H	3 12 ,,
12	20.590	18.73	81.6	26.26	82.0	.0134	.8358	19.30.2	H	4 12 ,,
13	20.728	18.76	81.6	26.33	82.0	.0139	.8366	19.30.3	B	5 12 ,,
14	22.305	18.76	81.6	26.41	82.0	.0139	.8375	19.30.7	B	6 12 ,,
15	22.032	18.88	81.8	26.32	82.2	.0158	.8365	19.30.0	B	7 12 ,,
16	21.276	19.05	82.3	25.99	80.4	.0186	.8328	19.28.2	B	8 12 ,,
17	20.042	19.42	82.8	25.62	82.8	.0246	.8288	19.25.8	C	9 12 ,,
18	18.327	19.63	83.4	25.42	83.2	.0281	.8266	19.24.5	C	10 12 ,,
19	17.503	19.72	84.3	25.40	84.0	.0296	.8264	19.24.2	C	11 12 ,,
20	17.366	19.86	85.0	25.59	84.9	.0319	.8284	19.24.7	C	Noon.
21	17.709	19.72	85.7	25.55	85.1	.0296	.8280	19.24.9	H	1 12 p. m.
22	18.052	19.44	85.5	25.51	85.3	.0251	.8265	19.24.9	H	2 12 ,,
23	18.258	19.25	85.2	25.48	85.2	.0219	.8262	19.25.1	H	3 12 ,,
July 12th-Noon.	18.395	18.94	84.0	25.49	84.8	.0168	.8274	19.26.3	H	4 12 ,,
1	18.944	18.90	84.3	25.49	84.5	.0161	.8273	19.26.4	B	5 12 ,,
2	19.081	18.84	83.5	25.55	84.1	.0152	.8280	19.26.8	B	6 12 ,,
3	18.601	18.74	83.2	25.61	83.8	.0136	.8287	19.27.3	B	7 12 ,,
4	18.601	18.66	83.0	25.67	83.6	.0122	.8293	19.27.7	B	8 12 ,,
5	18.601	18.67	83.0	25.76	83.7	.0124	.8303	19.28.1	C	9 12 ,,
6	18.807	18.65	83.0	25.79	83.7	.0120	.8306	19.28.2	C	10 12 ,,
7	19.287	18.61	82.7	25.75	83.3	.0114	.8302	19.28.2	C	11 12 ,,
8	19.493	18.44	81.5	25.68	82.5	.0087	.8294	19.27.6	C	Midnight.
9	18.944	18.71	81.8	25.80	82.5	.0131	.8308	19.28.2	H	1 12 a. m.
10	19.218	18.70	82.0	25.82	82.6	.0129	.8310	19.28.3	H	2 12 ,,
11	19.356	18.73	82.1	25.88	82.8	.0134	.8316	19.28.5	H	3 12 ,,
12	19.424	18.75	82.1	25.88	82.7	.0137	.8316	19.28.4	H	4 12 ,,
13	19.904	18.76	82.0	25.96	82.6	.0139	.8325	19.28.8	B	5 12 ,,
14	21.002	18.76	82.0	26.00	82.5	.0139	.8330	19.29.0	B	6 12 ,,
15	21.071	18.83	81.7	25.92	82.2	.0150	.8321	19.28.4	B	7 12 ,,
16	20.389	18.90	81.6	25.83	81.6	.0161	.8311	19.27.9	B	8 12 ,,
17	19.081	19.41	81.8	25.76	81.6	.0246	.8303	19.26.4	C	9 12 ,,
18	17.641	19.66	82.2	25.64	82.0	.0286	.8290	19.25.4	C	10 12 ,,
19	16.131	19.79	82.4	25.67	82.3	.0308	.8293	19.25.3	C	11 12 ,,
20	16.131	19.75	82.1	25.77	82.4	.0301	.8304	19.25.8	C	Noon.
21	16.404	19.61	81.9	25.85	82.0	.0278	.8314	19.26.5	H	1 12 p. m.
22	16.955	19.35	80.9	25.96	81.2	.0235	.8325	19.27.5	H	2 12 ,,
23	17.572	19.08	80.5	26.13	81.0	.0191	.8344	19.28.8	H	3 12 ,,
July 13th-Noon.	19.081	18.94	80.4	26.28	81.0	.0168	.8360	19.29.7	H	4 12 ,,
1	19.699	18.85	80.4	26.23	81.0	.0153	.8355	19.29.8	B	5 12 ,,
2	19.150	18.58	80.3	26.23	80.9	.0109	.8355	19.30.4	B	6 12 ,,
3	18.807	18.55	80.0	26.12	80.6	.0104	.8343	19.30.0	B	7 12 ,,
4	18.327	18.61	80.0	26.17	80.6	.0114	.8348	19.30.1	B	8 12 ,,
5	18.395	18.66	80.1	26.19	80.9	.0122	.8350	19.30.0	C	9 12 ,,
6	18.670	18.72	80.4	26.22	80.9	.0132	.8354	19.30.0	C	10 12 ,,
7	18.944	18.63	80.1	26.22	80.8	.0117	.8354	19.30.1	C	11 12 ,,
8	19.218	18.69	80.6	26.23	80.9	.0127	.8355	19.30.1	C	Midnight.
9	19.356	18.65	80.8	26.18	80.9	.0120	.8349	19.29.9	H	1 12 a. m.
10	19.356	18.95	81.0	26.13	81.1	.0169	.8344	19.29.1	H	2 12 ,,
11	19.150	18.79	81.1	26.19	81.4	.0144	.8360	19.30.1	H	3 12 ,,

On the 12th, at about 19h., Dip as obtained by Observation was 19°04'7.

DAILY OBSERVATIONS FROM 13TH TO 15TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 13th—12	19°218	18.80	81°2	26.15	81°5	8.0145	2.8346	19°29'4	H	4 12 a. m.
13	19.356	18.83	81.3	26.17	81.6	.0150	.8348	19.29.5	B	5 12 „
14	20.659	18.73	81.5	26.18	81.7	.0134	.8349	19.29.8	B	6 12 „
15	21.345	18.82	81.7	26.11	82.0	.0148	.8342	19.29.2	B	7 12 „
16	21.208	19.15	82.0	25.72	82.3	.0202	.8299	19.26.9	B	8 12 „
17	20.385	19.34	81.8	25.46	82.3	.0234	.8270	19.25.4	C	9 12 „
18	18.944	19.68	81.9	25.29	82.1	.0289	.8251	19.24.9	C	10 12 „
19	17.366	19.94	82.0	25.14	82.4	.0332	.8235	19.22.8	C	11 12 „
20	16.543	20.03	82.8	25.08	82.8	.0347	.8228	19.22.2	C	Noon.
21	16.269	19.99	82.8	25.33	82.8	.0340	.8256	19.23.5	H	1 12 p. m.
22	17.366	19.59	82.5	25.44	82.9	.0275	.8261	19.24.4	H	2 12 „
23	17.572	19.21	82.0	25.48	82.2	.0212	.8261	19.25.3	H	3 12 „
July 14th—Noon.	17.641	19.10	82.3	25.68	82.5	.0194	.8294	19.26.8	H	4 12 „
1	17.984	19.16	82.6	25.68	82.7	.0204	.8294	19.26.7	B	5 12 „
2	18.464	19.04	82.5	25.68	82.7	.0185	.8294	19.26.8	B	6 12 „
3	17.503	18.87	82.3	25.68	82.6	.0157	.8294	19.27.2	B	7 12 „
4	18.670	18.81	82.3	25.76	82.6	.0147	.8303	19.27.7	B	8 12 „
5	18.738	18.58	82.0	25.83	82.6	.0109	.8311	19.28.6	C	9 12 „
6	18.738	18.44	82.0	25.81	82.7	.0087	.8309	19.28.2	C	10 12 „
7	18.738	18.45	81.8	25.83	82.6	.0088	.8311	19.28.3	C	11 12 „
8	18.944	18.64	81.7	25.87	82.2	.0119	.8315	19.28.6	C	Midnight.
9	19.081	18.80	81.9	25.92	81.5	.0145	.8321	19.28.4	H	1 12 a. m.
10	18.944	18.72	81.0	25.82	81.9	.0132	.8310	19.28.3	H	2 12 „
11	19.150	18.64	81.1	26.01	81.9	.0119	.8331	19.29.2	H	3 12 „
12	18.738	18.91	81.6	25.91	81.9	.0163	.8320	19.28.3	H	4 12 „
13	18.464	18.91	81.5	25.98	81.9	.0163	.8327	19.28.6	B	5 12 „
14	19.904	18.62	80.9	26.11	81.6	.0115	.8342	19.29.6	B	6 12 „
15	21.002	18.66	80.9	26.27	81.5	.0122	.8349	19.29.6	B	7 12 „
16	21.345	18.88	81.1	26.19	81.5	.0158	.8350	19.29.5	B	8 12 „
17	21.002	19.08	80.9	26.00	81.3	.0191	.8330	19.28.3	C	9 12 „
18	19.836	19.24	81.0	25.73	81.1	.0217	.8300	19.26.7	C	10 12 „
19	18.189	19.42	80.9	25.52	81.1	.0247	.8277	19.25.4	C	11 12 „
20	16.817	19.28	81.4	25.60	81.3	.0224	.8286	19.26.1	C	Noon.
21	16.543	19.18	80.9	25.90	81.8	.0207	.8319	19.27.6	H	1 12 p. m.
22	17.023	19.02	80.9	25.96	81.9	.0181	.8325	19.28.3	H	2 12 „
23	17.366	18.74	82.1	26.06	82.0	.0136	.8336	19.29.2	H	3 12 „
July 15th—Noon.	18.464	18.42	82.0	26.06	82.0	.0083	.8336	19.29.5	H	4 12 „
1	18.875	18.32	81.7	26.06	82.6	.0067	.8336	19.29.6	B	5 12 „
2	19.356	18.48	81.5	26.06	81.8	.0093	.8336	19.29.3	B	6 12 „
3	18.944	18.30	81.5	25.98	81.8	.0063	.8327	19.29.4	B	7 12 „
4	19.013	18.08	81.4	25.96	81.8	.0027	.8325	19.29.7	B	8 12 „
5	19.150	17.97	80.4	25.93	81.0	.0009	.8322	19.29.8	C	9 12 „
6	19.081	18.13	80.2	26.11	80.9	.0035	.8342	19.30.2	C	10 12 „
7	18.670	18.41	80.5	26.20	81.0	.0082	.8352	19.30.1	C	11 12 „
8	19.013	18.51	81.0	26.23	81.0	.0098	.8355	19.30.5	C	Midnight.
9	19.081	18.54	81.0	26.20	81.5	.0103	.8352	19.30.2	H	1 12 a. m.
10	19.356	18.50	80.7	26.13	81.0	.0096	.8344	19.30.0	H	2 12 „
11	19.150	18.57	81.0	25.99	81.4	.0108	.8328	19.29.3	H	3 12 „
12	19.356	18.61	80.9	25.99	81.0	.0114	.8328	19.29.3	H	4 12 „
13	19.973	18.61	80.9	26.15	81.0	.0114	.8346	19.30.0	B	5 12 „
14	21.345	18.69	80.7	26.30	80.8	.0127	.8363	19.30.3	B	6 12 „
15	21.276	18.66	80.8	26.22	81.0	.0122	.8344	19.29.7	B	7 12 „
16	21.345	18.75	81.0	25.96	81.3	.0137	.8325	19.28.8	B	8 12 „
17	21.002	18.73	80.5	25.63	80.9	.0134	.8289	19.27.4	C	9 12 „
18	19.561	18.86	80.9	25.48	81.0	.0155	.8272	19.26.3	C	10 12 „
19	18.258	19.28	81.9	25.27	81.9	.0224	.7249	19.24.7	C	11 12 „
20	16.817	19.13	81.2	25.30	81.5	.0199	.8253	19.25.2	C	Noon.
21	15.926	19.17	82.0	25.41	82.0	.0206	.8265	19.25.5	H	1 12 p. m.
22	16.406	18.99	82.0	25.57	82.2	.0176	.8282	19.26.5	H	2 12 „
23	17.023	18.47	81.5	25.83	81.0	.0092	.8311	19.28.3	H	3 12 „

On the 15th, at about 19h. 20m., Dip as obtained by Observation was 19°10'6.

DAILY OBSERVATIONS FROM 16TH TO 19TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 16th-Noon.	17·641	18.27	80°0	25.86	80°3	8.0059	2.8314	19°28'8	H	4 12 p. m.
1	18.601	18.37	80.1	25.94	80.7	.0075	.8323	19.29.0	B	5 12 „
2	19.081	18.31	79.8	25.91	80.4	.0065	.8320	19.29.0	B	6 12 „
3	18.532	18.31	79.6	26.08	80.0	.0065	.8338	19.29.7	B	7 12 „
4	18.738	18.31	80.0	26.13	80.3	.0065	.8344	19.29.9	B	8 12 „
5	18.464	18.44	80.0	26.13	80.5	.0087	.8344	19.29.6	C	9 12 „
6	18.670	18.43	80.0	26.15	80.5	.0085	.8346	19.29.7	C	10 12 „
7	19.218	18.42	79.8	26.23	80.2	.0083	.8345	19.29.9	C	11 12 „
8	19.287	18.43	79.4	26.05	80.0	.0085	.8335	19.29.3	C	Midnight.
9	19.081	18.52	79.9	26.01	80.2	.0099	.8331	19.29.5	H	1 12 a. m.
10	19.356	18.57	79.6	26.00	80.0	.0108	.8330	19.29.4	H	2 12 „
11	19.081	18.53	79.6	26.04	80.0	.0101	.8334	19.29.6	H	3 12 „
12	19.218	18.47	79.2	26.04	79.7	.0092	.8334	19.29.2	H	4 12 „
13	19.561	18.45	79.7	26.18	80.0	.0088	.8349	19.29.8	B	5 12 „
14	20.865	18.44	80.2	26.20	80.2	.0087	.8352	19.29.9	B	6 12 „
15	21.758	18.93	80.7	26.07	80.5	.0166	.8337	19.28.9	B	7 12 „
16	21.619	19.19	81.0	25.62	80.8	.0209	.8288	19.26.4	B	8 12 „
17	19.836	19.65	81.6	25.10	81.3	.0284	.8231	19.23.3	C	9 12 „
18	17.778	19.94	82.6	24.68	82.1	.0332	.8184	19.20.7	C	10 12 „
19	16.269	19.94	83.9	24.44	83.1	.0332	.8158	19.19.8	C	11 12 „
20	15.720	19.73	84.5	24.57	83.9	.0298	.8172	19.20.5	C	Noon.
21	15.377	19.57	84.8	24.67	84.0	.0272	.8183	19.21.5	H	1 12 p. m.
22	15.651	19.35	84.7	24·84	84.2	.0235	.8202	19.22.6	H	2 12 „
23	16.612	18.74	83.8	24.97	83.9	.0136	.8216	19.24.5	H	3 12 „
July 18th-Noon.	17.984	19.05	83.2	25.19	83.1	.0186	.8240	19.24.8	B	4 12 „
1	18.395	18.90	83.0	25.15	83.4	.0161	.8236	19.25.0	B	5 12 „
2	18.532	18.79	82.6	25.14	83.1	.0144	.8235	19.25.3	B	6 12 „
3	18.258	18.65	81.9	25.08	82.6	.0120	.8228	19.25.2	B	7 12 „
4	18.189	18.59	82.0	25.28	82.5	.0111	.8250	19.26.3	B	8 12 „
5	18.327	18.50	81.9	25.27	82.4	.0096	.8249	19.26.3	C	9 12 „
6	18.464	18.52	81.6	25.32	82.2	.0099	.8255	19.26.6	C	10 12 „
7	18.670	18.61	81.7	25.44	82.1	.0114	.8268	19.26.9	C	11 12 „
8	18.807	18.66	81.7	25.41	82.1	.0122	.8255	19.26.3	C	Midnight.
9	18.944	18.65	81.6	25.41	82.0	.0120	.8255	19.26.3	H	1 12 a. m.
10	19.013	18.62	81.3	25.42	81.9	.0115	.8266	19.26.6	H	2 12 „
11	18.944	18.73	80.9	25.41	81.6	.0134	.8265	19.26.5	H	3 12 „
12	19.013	18.72	80.9	25.43	81.6	.0132	.8267	19.26.6	H	4 12 „
13	19.081	18.78	80.9	25.53	81.6	.0142	.8278	19.26.9	B	5 12 „
14	19.836	18.82	81.0	25.67	81.6	.0148	.8292	19.27.2	B	6 12 „
15	20.042	19.02	81.4	25.50	81.6	.0181	.8275	19.26.2	B	7 12 „
16	19.630	19.26	81.7	25.28	82.0	.0221	.8250	19.24.8	B	8 12 „
17	18.807	19.56	82.5	25.13	82.5	.0270	.8234	19.23.5	C	9 12 „
18	17.984	19.85	83.3	24.94	83.0	.0317	.8213	19.22.0	C	10 12 „
19	16.749	19.87	84.0	24.76	83.8	.0321	.8193	19.21.2	C	11 12 „
20	16.269	19.75	83.7	24.69	84.4	.0298	.8185	19.21.2	C	Noon.
21	15.857	19.77	85.0	24.56	84.7	.0305	.8173	19.20.6	H	1 12 p. m.
22	16.269	19.53	85.1	24.58	85.3	.0265	.8171	19.21.0	H	2 12 „
23	16.680	19.38	85.5	24.55	85.7	.0240	.8170	19.21.4	H	3 12 „
July 19th-Noon.	17.160	19.13	85.1	24.55	85.6	.0199	.8170	19.21.9	H	4 12 „
1	17.641	19.11	84.7	24.50	85.4	.0196	.8165	19.21.7	B	5 12 „
2	17.984	18.93	84.2	24.43	85.0	.0166	.8157	19.21.9	B	6 12 „
3	17.778	18.83	83.7	24.39	84.5	.0150	.8152	19.21.6	B	7 12 „
4	17.503	18.72	83.3	24.41	84.2	.0132	.8155	19.22.3	B	8 12 „
5	17.984	18.71	82.9	24.57	83.9	.0131	.8172	19.22.8	C	9 12 „
6	18.189	18.78	82.7	24.66	83.6	.0142	.8182	19.23.1	C	10 12 „
7	18.601	18.68	82.6	24.73	83.5	.0125	.8190	19.23.6	C	11 12 „
8	18.601	18.68	82.5	24.79	83.0	.0125	.8196	19.23.8	C	Midnight.
9	19.150	18.80	82.4	24.84	83.0	.0145	.8202	19.23.7	H	1 12 a. m.
10	19.150	18.79	82.1	24.89	82.9	.0144	.8207	19.24.2	H	2 12 „
11	18.944	18.77	82.0	24.93	82.7	.0141	.8212	19.24.3	H	3 12 „

On the 16th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 19TH TO 21ST JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	'									h. m.
July 19th—12	18'875	18.79	82°0	24.98	82°6	8.0144	2.8217	19°24'6	H	4 12 a. m.
13	19.218	18.88	82.0	25.10	82.6	.0158	.8231	19.24.8	B	5 12 „
14	20.042	19.10	82.0	25.33	82.5	.0194	.8256	19.25.4	B	6 12 „
15	20.590	19.09	82.1	25·36	82.5	.0193	.8259	19.25.5	B	7 12 „
16	20.385	19.41	82.6	25·11	82.9	.0246	.8232	19.23.8	B	8 12 „
17	18.738	19.66	82.7	24.81	82.9	.0286	.8199	19.21.8	C	9 12 „
18	16.817	19.78	83.3	24.57	83.3	.0306	.8172	19.20.5	C	10 12 „
19	16.474	19.87	84.3	24.62	84.0	.0321	.8178	19.20.6	C	11 12 „
20	17.092	19.60	84.8	24.76	84.6	.0276	.8193	19.21.7	C	Noon.
21	17.709	19.42	84.7	24.63	84.7	.0247	.8179	19.21.5	H	1 12 p. m.
22	18.395	19.30	85.1	24.60	85.1	.0227	.8176	19.21.7	H	2 12 „
23	18.944	19.02	85.0	24.56	85.2	.0181	.8171	19.22.2	H	3 12 „
July 20th-Noon.	18.944	18.82	84.8	24.65	85.0	.0148	.8181	19.22.9	H	4 12 „
1	19.561	18.36	82.7	24.66	83.6	.0073	.8182	19.23.5	B	5 12 „
2	19.561	18.38	83.2	24.76	83.6	.0076	.8193	19.23.9	B	6 12 „
3	18.258	18.54	83.0	24.76	83.6	.0103	.8193	19.24.1	B	7 12 „
4	18.464	18.32	82.9	24.90	83.5	.0066	.8209	19.24.6	B	8 12 „
5	18.944	18.29	82.7	24.93	83.1	.0062	.8212	19.24.8	C	9 12 „
6	18.670	18.36	82.6	24.93	83.0	.0073	.8212	19.24.7	C	10 12 „
7	18.464	18.41	82.5	25.02	83.0	.0082	.8222	19.25.0	C	11 12 „
8	18.601	18.43	82.5	25.04	83.0	.0085	.8224	19.24.9	C	Midnight.
9	18.670	18.46	82.5	25.17	82.9	.0090	.8238	19.25.5	H	1 12 a. m.
10	18.944	18.49	82.0	25.27	82.4	.0095	.8249	19.26.3	H	2 12 „
11	19.150	18.58	82.1	25.43	82.5	.0109	.8267	19.26.9	H	3 12 „
12	19.218	18.58	82.1	25.45	82.4	.0109	.8269	19.26.9	H	4 12 „
13	19.699	18.67	81.8	25.66	82.1	.0124	.8292	19.27.6	C	5 12 „
14	20.590	18.78	81.8	25.89	82.0	.0142	.8317	19.28.5	C	6 12 „
15	20.659	18.99	82.0	25.86	82.1	.0176	.8314	19.27.8	C	7 12 „
16	20.042	19.11	82.3	25.87	82.3	.0196	.8315	19.27.6	C	8 12 „
17	19.013	19.41	82.6	25.70	82.6	.0246	.8297	19.26.2	B	9 12 „
18	17.846	19.51	82.8	25.63	82.8	.0262	.8289	19.25.7	B	10 12 „
19	16.817	19.55	83.1	25.49	83.0	.0268	.8273	19.25.0	B	11 12 „
20	16.337	19.53	83.9	25.36	83.5	.0265	.8259	19.24.5	B	Noon.
21	16.474	19.27	84.4	25.42	83.9	.0223	.8266	19.25.3	H	1 12 p. m.
22	16.886	19.13	84.8	25.44	84.1	.0199	.8268	19.25.7	H	2 12 „
23	17.572	19.04	84.9	25.48	84.8	.0185	.8272	19.25.9	H	3 12 „
July 21st—Noon.	18.464	18.91	85.1	25.59	85.0	.0163	.8284	19.26.8	H	4 12 „
1	18.875	18.84	84.7	25.60	85.0	.0152	.8296	19.27.4	B	5 12 „
2	18.738	18.73	83.7	25.56	84.4	.0134	.8281	19.27.1	B	6 12 „
3	18.052	18.61	83.3	25.54	83.9	.0114	.8279	19.27.3	B	7 12 „
4	18.052	18.62	83.2	25.56	83.7	.0115	.8281	19.27.2	B	8 12 „
5	18.121	18.64	83.0	25.58	83.5	.0119	.8283	19.27.3	C	9 12 „
6	18.258	18.66	83.0	25.40	83.2	.0122	.8264	19.26.5	C	10 12 „
7	18.670	18.75	82·8	25.39	83.1	.0137	.8262	19.26.2	C	11 12 „
8	18.738	18.77	82.7	25.39	83.0	.0141	.8262	19.26.2	C	Midnight.
9	18.738	18.78	82·5	25.40	82.8	.0142	.8264	19.26.3	H	1 12 a. m.
10	19.150	18.71	82.0	25.43	82.6	.0131	.8267	19.26.6	H	2 12 „
11	19.081	18·76	82.0	25.49	82.4	.0139	.8273	19.26.7	H	3 12 „
12	19.287	18.82	82.0	25.52	82.4	.0148	.8277	19.26.7	H	4 12 „
13	19.493	18.78	81.7	25.61	82.2	.0142	.8287	19.27.3	C	5 12 „
14	20.316	18.89	81.8	25.69	82.3	.0160	.8295	19.27.3	C	6 12 „
15	21.139	19·00	81.5	25.74	81.9	.0178	.8301	19.27.3	C	7 12 „
16	21.276	19·35	82.2	25.72	82.3	·0235	.8299	19.26.4	C	8 12 „
17	20.247	19.58	82.9	25.48	82.6	.0273	.8272	19.24.9	B	9 12 „
18	18.670	19.74	83.5	25.27	83.0	.0301	.8249	19.23.7	B	10 12 „
19	17.435	19.91	83.8	25.72	83.5	.0327	.8303	19.25.4	B	11 12 „
20	16.886	19.94	85.0	25·62	84.1	.0332	.8288	19.24.8	B	Noon.
21	16.337	19.89	85.2	25.71	84.9	.0324	.8298	19.25.3	H	1 12 p. m.
22	16.200	19.49	84·0	25.82	84.0	.0259	.8310	19.26.6	H	2 12 „
23	17.229	19.38	84.6	25.97	84.4	.0240	.8326	19.27.5	H	3 12 „

On the 19th, at about 19h., Dip as obtained by Observation was 19°12'2.

DAILY OBSERVATIONS FROM 22ND TO 25TH JULY 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
JULY 22ND-Noon.	18'464	18.91	83°6	25.97	84°1	8.0163	2.8326	19°28'5	H	4 12 p. m.
1	18.807	18.89	83.5	25.92	84.0	.0160	.8321	19.28.3	B	5 12 ,,
2	18.464	18.89	83.5	26.07	84.0	.0160	.8337	19.29.0	B	6 12 ,,
3	18.852	18.74	83.3	26.11	83.8	.0136	.8342	19.29.4	B	7 12 ,,
4	18.121	18.73	83.1	26.16	83.6	.0134	.8387	19.29.8	B	8 12 ,,
5	18.327	18.70	82.9	26.27	83.4	.0129	.8359	19.30.2	C	9 12 ,,
6	18.464	18.78	82.8	26.17	83.1	.0142	.8348	19.29.7	C	10 12 ,,
7	18.670	18.77	82.7	26.15	83.1	.0141	.8346	19.29.6	C	11 12 ,,
8	18.875	18.79	82.6	26.15	83.0	.0144	.8346	19.29.6	C	Midnight.
9	19.218	18.77	82.7	26.19	83.0	.0141	.8350	19.29.8	H	1 12 a. m.
10	19.287	18.74	82.1	26.14	82.7	.0136	.8345	19.29.6	H	2 12 ,,
11	19.287	18.76	82.0	26.13	82.3	.0139	.8344	19.29.5	H	3 12 ,,
12	19.356	18.89	82.0	26.12	82.3	.0160	.8343	19.29.2	H	4 12 ,,
13	19.424	18.90	82.0	26.15	82.4	.0161	.8386	19.29.3	B	5 12 ,,
14	19.601	18.96	82.0	26.14	82.4	.0171	.8345	19.29.2	B	6 12 ,,
15	21.455	19.08	82.0	26.14	82.4	.0191	.8345	19.29.8	B	7 12 ,,
16	20.796	19.31	82.5	26.08	82.6	.0229	.8338	19.28.1	B	8 12 ,,
17	19.356	19.46	81.9	25.92	82.2	.0254	.8321	19.27.1	C	9 12 ,,
18	17.709	19.68	82.9	25.88	82.7	.0289	.8316	19.26.4	C	10 12 ,,
19	16.269	19.86	84.0	25.77	83.6	.0319	.8304	19.25.5	C	11 12 ,,
20	15.171	19.80	84.5	25.72	84.0	.0309	.8299	19.25.5	C	NOON
21	15.445	19.78	84.9	25.96	84.1	.0306	.8325	19.26.6	H	1 12 p. m.
22	16.131	19.51	84.9	26.14	84.7	.0262	.8345	19.28.0	H	2 12 ,,
23	16.680	19.31	85.0	26.20	85.1	.0229	.8352	19.28.6	H	3 12 ,,
JULY 23RD-Noon.	17.572	19.09	85.2	26.26	85.3	.0193	.8358	19.29.4	H	4 12 ,,
1	18.464	18.91	84.7	26.00	85.1	.0163	.8330	19.28.7	B	5 12 ,,
2	18.601	18.86	84.1	26.14	84.6	.0155	.8345	19.29.3	B	6 12 ,,
3	17.984	18.84	83.7	26.12	84.0	.0152	.8343	19.29.3	B	7 12 ,,
4	17.984	18.83	83.5	26.17	83.9	.0150	.8348	19.29.5	B	8 12 ,,
5	18.189	18.84	83.2	26.16	83.8	.0152	.8347	19.29.5	C	9 12 ,,
6	18.327	18.86	83.0	26.16	83.7	.0155	.8347	19.29.4	C	10 12 ,,
7	18.601	18.84	82.9	26.06	83.1	.0152	.8336	19.29.0	C	11 12 ,,
8	18.738	18.86	82.8	26.09	83.0	.0155	.8339	19.29.0	C	Midnight.
9	18.807	18.81	82.4	26.13	82.8	.0147	.8344	19.29.3	H	1 12 a.m.
10	18.807	18.78	82.2	26.13	82.4	.0142	.8344	19.29.5	H	2 12 ,,
11	19.150	18.80	81.9	26.12	82.0	.0145	.8343	19.29.3	H	3 12 ,,
12	19.424	18.84	81.9	26.17	82.0	.0152	.8348	19.29.5	H	4 12 ,,
13	19.699	18.93	81.9	26.23	82.0	.0166	.8355	19.29.6	B	5 12 ,,
14	20.728	19.13	81.9	26.31	82.0	.0199	.8364	19.29.4	B	6 12 ,,
15	21.071	19.44	82.0	26.29	82.2	.0251	.8361	19.28.6	B	7 12 ,,
16	20.247	19.83	82.4	26.23	82.5	.0314	.8355	19.27.8	B	8 12 ,,
17	18.670	19.99	82.9	26.19	83.0	.0340	.8350	19.27.2	C	9 12 ,,
18	17.023	20.25	83.9	26.18	83.5	.0383	.8349	19.26.6	C	10 12 ,,
19	15.445	20.20	84.6	26.17	84.0	.0375	.8348	19.26.6	C	11 12 ,,
20	14.897	20.13	85.0	26.22	85.0	.0363	.8354	19.27.0	C	Noon.
21	15.240	20.04	85.7	26.36	85.2	.0349	.8369	19.27.6	H	1 12 p. m.
22	16.817	19.69	85.9	26.49	85.8	.0291	.8383	19.29.0	H	2 12 ,,
23	17.846	19.41	85.6	26.47	85.6	.0246	.8381	19.29.4	H	3 12 ,,
JULY 25TH-Noon.	18.464	18.94	84.7	26.10	85.0	.0168	.8330	19.28.6	B	4 12 ,,
1	18.944	18.76	83.6	25.76	83.8	.0139	.8303	19.27.9	B	5 12 ,,
2	19.013	18.69	83.1	25.90	83.3	.0127	.8319	19.28.6	B	6 12 ,,
3	18.189	18.63	83.0	25.94	83.0	.0117	.8323	19.28.9	B	7 12 ,,
4	18.121	18.63	82.3	26.08	82.7	.0117	.8338	19.29.5	B	8 12 ,,
5	18.327	18.74	82.4	26.10	83.0	.0136	.8345	19.29.6	C	9 12 ,,
6	18.464	18.75	82.3	26.31	82.9	.0137	.8353	19.29.9	C	10 12 ,,
7	18.807	18.84	82.4	26.24	83.0	.0152	.8356	19.29.8	C	11 12 ,,
8	19.013	18.83	82.3	26.27	82.9	.0150	.8359	19.29.9	C	Midnight.
9	19.630	18.72	81.8	26.26	82.4	.0132	.8358	19.30.2	H	1 12 a. m.
10	19.356	18.82	81.9	26.29	82.2	.0148	.8361	19.29.9	H	2 12 ,,
11	19.356	18.68	80.2	26.28	82.1	.0125	.8360	19.30.2	H	3 12 ,,

On the 22nd, at about 19h. 10m., Dip as obtained by Observation was 19°17'8.
On the 23rd, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 25TH TO 27TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 25th—12	19°356	18.75	80°0	26.38	80°6	8.0137	2.8369	19°30'4	H	4 12 a. m.
13	19.937	18.75	79.9	26.53	80.6	.0137	.8388	19.31.2	B	5 12 „
14	21.482	18.78	79.4	26.69	80.0	.0142	.8405	19.31.9	B	6 12 „
15	22.101	19.19	79.8	26.65	80.3	.0209	.8401	19.30.8	B	7 12 „
16	22.032	19.29	80.6	26.58	80.7	.0226	.8393	19.30.2	B	8 12 „
17	20.453	19.65	81.6	26.46	81.3	.0284	.8380	19.29.1	C	9 12 „
18	18.464	19.96	82.6	26.22	82.2	.0335	.8354	19.27.3	C	10 12 „
19	16.337	20.30	83.4	25.97	82.9	.0391	.8326	19.25.5	C	11 12 „
20	16.269	19.63	83.4	26.24	83.1	.0281	.8356	19.28.2	C	Noon.
21	16.955	19.49	83.8	26.24	83.6	.0259	.8356	19.28.5	H	1 12 p. m.
22	18.395	19.29	84.7	26.27	84.0	.0226	.8349	19.28.5	H	2 12 „
23	18.807	19.00	84.7	26.14	84.6	.0178	.8345	19.29.1	H	3 12 „
July 26th-Noon.	18.807	18.61	83.9	26·16	84.0	.0114	.8347	19.30.1	H	4 12 „
1	18.601	18.40	83.5	26.06	83.8	.0080	.8336	19.29.5	B	5 12 „
2	18.601	18.13	83.3	26.11	83.7	.0035	.8342	19.30.2	B	6 12 „
3	18.258	17.95	83.0	26.14	83.5	.0004	.8345	19.30.9	B	7 12 „
4	17.641	18.21	82.9	26.20	83.3	.0049	.8352	19.30.4	B	8 12 „
5	19.081	17.94	82.0	26.38	82.6	.0004	.8371	19.31.8	C	9 12 „
6	19.150	17.90	82.0	26.33	82.5	7.9997	.8366	19.31.6	C	10 12 „
7	19.081	18.19	82.0	26.36	82.5	8.0045	.8369	19.31·0	C	11 12 „
8	18.601	18.38	82.0	26.34	82.5	.0076	.8367	19.30.7	C	Midnight.
9	19.013	18.51	82.0	26.42	82.4	.0098	.8376	19.31.2	H	1 12 a.m.
10	18.738	18.71	82.0	26.42	82.2	.0131	.8376	19.30.8	H	2 12 „
11	18.601	18.59	82.0	26.42	82.2	.0111	.8376	19.31.1	H	3 12 „
12	19.287	18.92	82.0	26.47	82.3	.0164	.8381	19.30.6	H	4 12 „
13	19.973	18.76	81.6	26.62	82.3	.0139	.8398	19.31.6	B	5 12 „
14	21.415	18.87	81.6	26.79	82.3	.0157	.8416	19.32.0	B	6 12 „
15	22.649	18.72	81.3	26.77	82.2	.0132	.8414	19.32.3	B	7 12 „
16	22.444	18.97	80.7	26.44	81.4	.0173	.8378	19.30.4	B	8 12 „
17	20.590	19.20	80.6	26.13	81.0	.0211	.8344	19.28.6	C	9 12 „
18	18.807	19.52	80.8	26.03	81.0	.0263	.8333	19.27.5	C	10 12 „
19	17.503	19.84	81.5	25.90	81.5	.0316	.8319	19.26.1	C	11 12 „
20	16.543	19.67	81.8	25.80	81.8	.0288	.8308	19.26.1	C	Noon.
21	16.269	19.41	82.1	25.86	82.0	.0246	.8314	19.26.8	H	1 12 p.m.
22	16.406	18.87	82.5	26.12	82.2	.0157	.8343	19.29.2	H	2 12 „
23	17.503	18.76	82.4	26.38	82.3	.0139	.8371	19.30.5	H	3 12 „
July 27th-Noon.	18.258	18.77	82.4	26.53	82.5	.0141	.8388	19.31·2	H	4 12 „
1	19.081	18.49	81.7	26.61	82.0	.0095	.8397	19.32.1	B	5 12 „
2	19.218	18.44	81.5	26.60	81.7	.0087	.8396	19.31.6	B	6 12 „
3	18.327	18.43	80.9	26.36	81.2	.0085	.8369	19.30.5	B	7 12 „
4	18.327	18.42	80.7	26.53	81.1	.0083	.8385	19.31.4	B	8 12 „
5	18.532	18.44	80.6	26.53	81.0	.0087	.8388	19.31.3	C	9 12 „
6	18.464	18.50	80.6	26.53	81.0	.0096	.8388	19.31.7	C	10 12 „
7	18.738	18.42	80.5	26.51	81.0	.0083	.8386	19.31.6	C	11 12 „
8	18.601	18.50	80.3	26.51	80.9	.0096	.8386	19.31.7	C	Midnight.
9	18.670	18.60	80.6	26·53	81.0	.0112	.8388	19.31.6	H	1 12 a. m.
10	18.464	18.61	80.7	26.53	81.0	.0114	.8388	19.31.6	H	2 12 „
11	18.327	18.53	80.5	26.53	80.9	.0101	.8388	19.31.6	H	3 12 „
12	18.670	18.56	80.4	26.61	80.9	.0106	.8397	19.32.1	H	4 12 „
13	19.081	18.53	80·6	26.63	81.1	.0101	.8399	19.32.1	B	5 12 „
14	20.385	18.48	80.2	26.75	80.6	.0093	.8412	19.32.2	B	6 12 „
15	20.659	18.60	80.4	26.68	80.6	.0112	.8404	19.32.2	B	7 12 „
16	20.316	18.75	80.4	26.57	80.6	.0137	.8382	19.30.9	B	8 12 „
17	19.081	18.99	80.6	26.32	80.8	.0176	.8365	19.29.8	C	9 12 „
18	17.298	18.99	80.8	26.07	81.0	.0176	.8337	19.28.8	C	10 12 „
19	16.749	19.21	81.6	26.06	81.2	.0213	.8336	19.28.3	C	11 12 „
20	15.377	19.25	82.1	26.12	81.9	.0219	.8347	19.28.6	C	Noon.
21	15.171	19.12	83.0	26.38	82.5	.0197	.8377	19.30.0	H	1. 12 p.m.
22	16.269	18.87	83.0	26.55	83.0	.0157	.8390	19.31.0	H	2 12 „
23	17.572	18.65	82.9	26.59	82.9	.0120	.8394	19.31.1	H	3 12 „

On the 26th, at about 19h. 45m., Dip as obtained by Observation was 19°16'2.

DAILY OBSERVATIONS FROM 28TH TO 30TH JULY 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 28th-Noon.	17·229	18.58	82°6	26.42	82°8	8.0109	2.8376	19°31′1	H	4 12 p. m.
1	18.189	18.44	82.7	26.42	82.8	.0087	.8376	19.30.8	B	5 12 „
2	18.670	18.39	82.3	26.52	82.6	.0078	.8387	19.31.5	B	6 12 „
3	19.287	17.98	81.9	26.50	82.6	.0010	.8385	19.32.3	B	7 12 „
4	18.327	18.27	81.8	26.38	82.5	.0059	.8371	19 31.0	B	8 12 „
5	18.258	18.35	81.8	26.42	82.2	.0071	.8376	19.31.1	C	9 12 „
6	17.984	18.31	81.4	26.44	82.0	.0065	.8378	19.31.2	C	10 12 „
7	18.670	18.39	81.5	26.58	82.0	.0078	.8383	19.31.3	C	11 12 „
8	18.670	18.57	81.6	26.56	81.9	.0108	.8391	19.32.5	C	Midnight.
9	18.601	18.49	81.1	26.55	81.8	.0095	.8390	19.31.8	H	1 12 a. m.
10	18.738	18.55	81.1	26.55	81.7	.0104	.8390	19.31.8	H	2 12 „
11	18.464	18.66	81.2	26.56	81.7	.0122	.8391	19.31.5	H	3 12 „
12	19.150	18.59	81.1	26.62	81.6	.0111	.8398	19.32.0	H	4 12 „
13	19.699	18.55	81.0	26.65	81.5	.0104	.8401	19.32.2	B	5 12 „
14	20.796	18.68	81.1	26.80	81.5	.0122	.8418	19.32.6	B	6 12 „
15	21.551	18.73	81.1	26.80	81.5	.0134	.8418	19.32.5	B	7 12 „
16	21.619	18.87	81.5	26.60	81.6	.0157	.8396	19.31.2	B	8 12 „
17	20.385	18.78	81.9	26.31	82.0	.0142	.8364	19.30.2	C	9 12 „
18	18.670	18.76	81.9	25.96	82.0	.0139	.8325	19.28.8	C	10 12 „
19	17.641	19.07	81.9	25.93	82.0	.0190	.8322	19.27.9	C	11 12 „
20	16.063	18.91	82.8	25.78	82.5	.0163	.8305	19.27.6	C	Noon.
21	15.720	18.54	82.6	25.88	82.3	.0103	.8316	19.28.9	H	1 12 p. m.
22	16.131	18.76	83.1	25.84	83.0	.0139	.8312	19.28.2	H	2 12 „
23	16.612	18.81	83.0	25.71	83.0	.0147	.8298	19.27.6	H	3 12 „
July 29th-Noon.	17.435	18.59	83.0	25.94	83.0	.0111	.8323	19.29.1	H	4 12 „
1	17.915	18.53	82.7	26.14	83.0	.0101	.8345	19.30.1	B	5 12 „
2	18.807	18.37	82.3	26.17	82.7	.0075	.8348	19.30.0	B	6 12 „
3	18.738	18.15	81.9	26.11	82.4	.0038	.8342	19.30.2	B	7 12 „
4	18.875	18.36	81.9	26.45	82.4	.0073	.8379	19.31.2	B	8 12 „
5	18.875	18.30	81·7	26.53	82.2	.0063	.8388	19.31.7	C	9 12 „
6	18.532	18.38	81.5	26.51	82.0	.0076	.8386	19.31.4	C	10 12 „
7	18.738	18.29	81.1	26.55	81.8	.0062	.8390	19.31.8	C	11 12 „
8	18.670	18.25	80.6	26.53	81.1	.0055	.8388	19.31.7	C	Midnight.
9	19.287	18.37	81.0	26.61	81.5	.0075	.8397	19.31.9	H	1 12 a. m.
10	19.356	18.32	80.5	26.58	81.1	.0066	.8393	19.31.8	H	2 12 „
11	19.287	18.46	80.5	26.41	81.1	.0090	.8375	19.30.8	H	3 12 „
12	19.836	18.56	80.8	26.67	81.1	.0106	.8403	19.32.2	H	4 12 „
13	20.316	18.47	80.5	26.68	80.9	.0092	.8404	19.31.9	B	5 12 „
14	20.728	18.75	80.6	26.74	81.0	.0137	.8411	19.32.2	B	6 12 „
15	21.345	19.06	81.0	26.69	81.2	.0188	.8405	19.31.2	B	7 12 „
16	20.865	19.31	81.5	26.49	81.4	.0229	.8383	19.29.8	B	8 12 „
17	18.464	19.25	82.0	26.08	82.1	.0219	.8338	19.28.2	C	9 12 „
18	15.875	19.17	82.4	25.86	82.1	.0206	.8314	19.27.4	C	10 12 „
19	14.897	18.78	83.4	26.11	83.0	.0142	.8331	19.29.0	C	11 12 „
20	16.200	18.34	82.9	26.63	82.9	.0070	.8399	19.32.0	C	Noon.
21	17.298	18.89	83.6	26.59	83.0	.0160	.8394	19.31.1	H	1 12 p. m.
22	17.229	18.87	84.3	26.31	83.8	.0157	.8364	19.29.9	H	2 12 „
23	16.955	18.76	83.8	26.30	83.4	.0139	.8363	19.30.2	H	3 12 „
July 30th-Noon.	17.160	18.65	83.8	26.23	83.9	.0120	.8355	19.30.2	H	4 12 „
1	18.052	18·67	83.6	26.19	83.7	.0124	.8350	19.30.0	B	5 12 „
2	18.052	18.52	83.2	26.21	83.6	.0099	.8353	19.30.4	B	6 12 „
3	17.572	18.54	82.5	26.20	83.2	.0103	.8352	19.30.3	B	7 12 „
4	18.258	18.17	82.3	26.29	83.1	.0042	.8361	19.30.9	B	8 12 „
5	18.464	18.09	82.0	26.34	82.9	.0029	.8367	19.31.3	C	9 12 „
6	18.738	18.12	82.0	26.42	82.8	.0033	.8376	19.31.6	C	10 12 „
7	19.081	18.39	81.9	26.63	82.7	.0078	.8399	19.32.1	C	11 12 „
8	19.356	18.17	81.8	26.73	82.5	.0042	.8410	19.32.9	C	Midnight.
9	19.630	18.72	81.9	26.57	82.3	.0132	.8382	19.31.0	H	1 12 a. m.
10	19·218	18.46	81.8	26.57	82.2	.0090	.8382	19.31.0	H	2 12 „
11	19.561	18.43	81.7	26·64	82.1	.0085	.8400	19.31.8	H	3 12 „

On the 29th, at about 19h, 30m., Dip as obtained by Observation was 19°04′0.

DAILY OBSERVATIONS FROM 30TH JULY TO 2ND AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
July 30th—12	19·973	18.39	81°5	26.70	82°0	8.0078	2.8407	19°32'3	H	4 12 a. m.
13	20.042	18.37	81.3	26.71	82.0	.0075	.8408	19.32.3	B	5 12 "
14	21.345	18.46	80.7	26.98	81.5	.0090	.8437	19.33.2	B	6 12 "
15	22.649	18.78	80.6	27.04	81.3	.0142	.8444	19.33.4	B	7 12 "
16	22.305	18.99	81.2	26.87	81.4	.0176	.8425	19.32.2	B	8 12 "
17	19.973	19.07	81.9	26.51	82.0	.0190	.8386	19.30.4	C	9 12 "
18	17.778	19.41	82.9	26.36	82.7	.0246	.8369	19.28.9	C	10 12 "
19	16.337	19.35	83.1	26.27	83.1	.0235	.8359	19.28.8	C	11 12 "
20	15.514	19.47	84.0	26.27	84.0	.0256	.8359	19.28.5	C	Noon.
21	15.726	19.44	84.8	26.39	84.3	.0251	.8372	19.29.0	H	1 12 p. m.
22	16.680	19.20	84.9	26.41	84.9	.0211	.8375	19.29 8	H	2 12 "
23	18.052	19.04	84.8	26.47	85.0	.0185	.8381	19.30.2	H	3 12 "
Aug. 1st-Noon.	17.229	18.97	84.1	26.39	84.8	.0173	.8372	19.30.1	H	4 12 "
1	19.013	18.53	83.5	26.49	84·1	.0101	.8383	19.31.5	H	5 12 "
2	19.424	18.48	83.1	26.36	83.8	.0093	.8369	19.30.5	H	6 12 "
3	18.464	18.50	83.0	26.31	83.7	.0096	.8364	19·30.7	H	7 12 "
4	18.738	18.46	82.9	26.30	83.4	.0090	.8363	19.30.3	H	8 12 "
5	18.875	18.74	82.6	26.34	83.1	.0136	.8367	19.30.3	B	9 12 "
6	19.424	18.59	82.0	26.40	82.6	.0111	.8374	19.31.0	B	10 12 "
7	19.356	18.47	81.4	26.50	82.1	.0092	.8385	19.31.2	B	11 12 "
8	19.150	18.63	81.2	26.55	81.5	.0117	.8390	19.31.5	B	Midnight.
9	19.150	18.39	80.9	26.62	81.0	.0078	.8398	19.31.9	C	1 12 a. m.
10	19.630	18.52	80.8	26.68	80.9	.0099	.8404	19.32.3	C	2 12 "
11	19.424	18.71	80.8	26.71	80.8	.0131	.8408	19.32.1	C	3 12 "
12	19.493	18.80	80.8	26.78	80.9	.0145	.8415	19.32.1	C	4 12 "
13	20.110	18.70	80.5	26.78	80.7	.0129	.8415	19.32.4	H	5 12 "
14	21.345	18.71	80.1	26.89	80.4	.0131	.8427	19.32.9	H	6 12 "
15	22.581	18.67	80.1	26.96	80.2	.0124	.8435	19.33.3	H	7 12 "
16	22.787	18.84	80.3	26.91	80.2	.0152	.8430	19.32.7	H	8 12 "
17	21.551	19.01	80.5	26.66	80.5	.0180	.8402	19.31.2	B	9 12 "
18	20.316	19.30	80.7	26.46	80.6	.0227	.8380	19.29.7	B	10 12 "
19	18.327	19.38	81.2	26·52	81.0	.0240	.8387	19.29.9	B	11 12 "
20	17.092	19.49	81.8	26.69	81.3	.0259	.8405	19.30.3	B	Noon.
21	16.612	19.21	81.8	26.83	81.4	.0213	.8421	19.31.6	C	1 12 p. m.
22	17.023	18.95	81.7	26.89	81.4	.0169	.8427	19.32.4	C	2 12 "
23	17.435	18.72	81.9	26.97	81.7	.0133	.8436	19.33.2	C	3 12 "
Aug. 2nd-Noon.	18.258	18.47	82.0	27.00	81.8	.0092	.8440	19.33.4	C	4 12 "
1	18.807	18.54	81.9	26.92	82.0	.0103	.8431	19.33.4	H	5 12 "
2	18.464	18.51	81.7	26.91	82.0	.0098	.8430	19.33.4	H	6 12 "
3	18.395	18.43	81.6	26.91	82.0	.0085	.8430	19.33.0	H	7 12 "
4	18.395	18.47	81.4	26.91	82.0	.0092	.8430	19.33.1	H	8 12 "
5	18.258	18.46	81.2	26.93	81.7	.0090	.8432	19.33.0	B	9 12 "
6	18.327	18.48	81·2	26.95	81.7	.0093	.8434	19.33.1	B	10 12 "
7	18.601	18.47	81.1	26.97	81.6	.0092	.8436	19.33.2	B	11 12 "
8	18.807	18.55	81.1	26.98	81.5	.0104	.8437	19.33.7	B	Midnight.
9	18.670	18.65	81.0	26·98	81.6	.0120	.8437	19.33.4	C	1 12 a. m.
10	19.013	18.57	81.0	27.00	81.5	.0108	.8440	19.33.7	C	2 12 "
11	19.013	18.58	80.9	27.10	81.2	.0109	.8451	19.34.1	C	3 12 "
12	19.081	18.65	80.9	26.91	81.2	.0120	.8430	19.33.1	C	4 12 "
13	19.424	18.67	80.9	26.94	81.0	.0124	.8433	19.33.1	H	5 12 "
14	20.247	18.63	80.7	27.03	81.1	.0117	.8443	19.33.6	H	6 12 "
15	20.796	18.62	80.5	27.03	81.0	.0115	.8443	19.33.6	H	7 12 "
16	20.385	18.82	80.1	26.94	80.6	.0148	.8433	19.32.8	H	8 12 "
17	18.875	19.10	80.6	26.92	80.6	.0194	.8431	19.32.2	B	9 12 "
18	17.641	19.30	81.2	26.81	81.0	.0227	.8419	19.31.2	B	10 12 "
19	16.406	19.25	81.1	26.72	81.2	.0219	.8409	19.30.9	B	11 12 "
20	16·880	19.41	82.5	26.77	81.7	.0246	.8414	19.30.7	B	Noon.
21	16 955	19.23	83.0	26.79	82.5	.0216	.8416	19.31.2	C	1 12 p. m.
22	17.229	19.27	83.6	26.64	83.0	.0223	.8400	19.30.6	C	2 12 "
23	17.229	19.19	84.1	26.62	83.8	.0209	.8398	19.30.7	C	3 12 "

On the 30th, at about 19h. 45m. Deflection Observations were taken.
On the 2nd, at about 19h. 10m., Dip as obtained by Observation was 19°09'7.

DAILY OBSERVATIONS FROM 3RD TO 5TH AUGUST 1858.

Date. Göttingen Mean Time, 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Reading Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Reading Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 3rd-Noon.	18·121	18.95	83·8	26.68	83·7	8.0169	2.8404	19°31'4	C	4 12 p. m.
1	17.984	18.83	83.4	26.60	83.2	.0150	.8396	19.31.3	H	5 12 „
2	18.601	18.61	82·9	26.61	83.0	.0114	.8397	19.32.0	H	6 12 „
3	18·327	18·49	82.2	26.58	82.7	.0095	.8383	19.31.5	H	7 12 „
4	18.464	18.42	81.9	26.61	82.1	.0083	.8397	19.31.9	H	8 12 „
5	18.875	18.38	81.0	26.70	81.5	.0076	.8407	19.32.3	B	9 12 „
6	18.944	18.51	81.0	26.73	81.5	.0098	.8410	19.32.6	B	10 12 „
7	18.807	18.59	81.1	26.77	81.5	.0111	.8414	19.32.6	B	11 12 „
8	18.944	18.71	81·1	26.79	81.4	.0131	.8416	19.32 4	B	Midnight.
9	19.013	18.62	80.7	26.78	81.1	.0115	.8415	19.32.5	C	1 12 a. m.
10	19.150	18.72	80.8	26.83	81.1	.0132	.8421	19.32.6	C	2 12 „
11	19.356	18.67	80.5	26.83	81.0	.0124	.8421	19.32.7	C	3 12 „
12	19.356	18·77	80.6	26.87	81.0	.0141	.8425	19.32.7	C	4 12 „
13	19.424	18.88	80.9	26.98	81.0	.0158	.8437	19.32.9	H	5 12 „
14	20.385	18.90	80.6	27.08	80.9	.0161	.8448	19 33.3	H	6 12 „
15	21.276	18.90	80.8	27.07	80.8	.0161	.8447	19.33.3	H	7 12 „
16	21.758	19.04	80.9	26.97	80.9	.0185	.8436	19.32.4	H	8 12 „
17	19.973	19.34	80.5	26.77	80.6	.0234	.8414	19.31.0	B	9 12 „
18	17.503	19.55	80.4	26.52	80.5	.0268	.8387	19.29.5	B	10 12 „
19	16.406	19.76	80.6	26.63	80.5	.0303	.8399	19.29.5	B	11 12 „
20	16.474	19.67	81.0	26.73	80.9	.0288	.8410	19.30.1	B	Noon.
21	17.984	19.32	81.4	26.98	81.0	.0232	.8437	19.32.0	C	1 12 p. m.
22	18.052	19.32	81.4	26.83	81.1	.0232	.8421	19.31.3	C	2 12 „
23	18.110	19.11	82.6	26.74	82.1	.0196	.8411	19.31.3	C	3 12 „
Aug. 4th-Noon.	18.327	18.78	82.6	26.75	82.4	.0142	.8412	19.32.1	C	4 12 „
1	18.670	18.69	82.0	26.67	82.4	.0127	.8403	19.31·9	H	5 12 „
2	18.258	18.69	81.1	26.66	82·0	.0127	.8402	19.31.8	H	6 12 „
3	18.052	18.56	81.0	26.75	81.5	.0106	.8412	19.32.5	H	7 12 „
4	18.670	18.51	81·0	26.76	81.4	.0098	·8413	19.32.7	H	8 12 „
5	18.395	18.44	80.8	26.80	81.5	.0087	.8418	19.32.5	B	9 12 „
6	18.464	18.48	80.7	26.83	81.3	.0093	.8421	19.32.6	B	10 12 „
7	18.738	18.52	80.5	26.86	81.3	.0099	.8424	19.33.1	B	11 12 „
8	18.875	18.67	80.5	26.86	81.2	.0124	.8424	19.32.8	B	Midnight.
9	19·013	18.62	80.5	26.87	81.1	.0115	.8425	19.32.9	C	1 12 a. m.
10	19.424	18.58	80.2	26.88	81.0	.0109	.8426	19.33.1	C	2 12 „
11	19.150	18.66	80.2	26.89	80.9	.0122	.8427	19.33.0	C	3 12 „
12	19.150	18.70	80.2	26.90	80.9	.0129	.8429	19.32.9	C	4 12 „
13	19.561	18.74	80.5	26.91	80.9	.0136	.8430	19.32.9	H	5 12 „
14	20.728	18.78	80.7	26.96	80.3	.0142	.8435	19.33.1	H	6 12 „
15	21.071	19.01	80.9	26.96	80.9	.0181	.8435	19.32.6	H	7 12 „
16	20.728	19.20	81.2	26.79	81.1	.0211	.8416	19.31.4	H	8 12 „
17	19.836	19.39	81.7	26.61	81.6	.0242	.8397	19.30.3	B	9 12 „
18	18.189	19.52	82.5	26.39	82.4	.0263	.8372	19.28.9	B	10 12 „
19	16.680	19.46	82.4	26.37	82.3	.0252	.8370	19.29.0	B	11 12 „
20	15.857	19.36	81.7	26.45	81.6	.0237	.8379	19.29.5	B	Noon.
21	16.269	19.34	81.7	26.69	81.6	.0234	.8405	19.30.7	C	1 12 p. m.
22	17.229	19.22	82.4	26.70	82·1	.0214	.8407	19.31.1	C	2 12 „
23	18.327	19.11	83.0	26.58	83.0	.0196	.8393	19.30.6	C	3 12 „
Aug. 5th-Noon.	18.327	18.94	83.1	26.50	83.0	.0168	.8390	19.30.9	C	4 12 „
1	18.327	18.80	82.7	26.49	83.0	.0145	.8373	19·30.3	H	5 12 „
2	18.189	18.74	82·1	26.39	82.9	.0136	.8372	19.30.5	H	6 12 „
3	17.915	18.74	82.0	26.40	82.8	.0136	.8374	19.30.6	H	7 12 „
4	18.327	18.65	81.9	26.55	82.4	.0120	.8380	19.31.1	H	8 12 „
5	18.601	18.49	81.7	26.62	82.2	.0095	.8398	19.32.1	B	9 12 „
6	18.601	18.60	81.7	26.65	82.3	.0112	.8401	19.32.1	B	10 12 „
7	18.670	18·66	81.7	26.71	82.3	.0122	.8408	19.32.2	B	11 12 „
8	18.807	18.65	81.6	26.73	82.2	.0120	.8410	19.32.3	B	Midnight.
9	19.013	18.62	81.0	26.71	82·0	.0115	.8408	19.32.2	C	1 12 a. m.
10	18.944	18.69	81.2	26.75	81.9	.0127	.8412	19.32.2	C	2 12 „
11	19.287	18.64	80.8	26.74	81.4	·0119	.8411	19.32.3	C	3 12 „

On the 5th, at about 19h. 20m., Dip as obtained by Observation was 19°08'4.

DAILY OBSERVATIONS FROM 5TH TO 8TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 5th—12	19·150	18.77	81·0	26.77	81·3	8.0141	2.8436	19°33′1	O	4 12 a. m.
13	19.424	18.74	81.0	26.87	81.2	.0136	.8425	19.32.7	H	5 12 „
14	19.836	18.82	81.0	26.84	81.2	.0148	.8422	19.32.3	H	6 12 „
15	20.590	18.92	81.0	27.12	81.4	.0164	.8453	19.33.5	H	7 12 „
16	20.796	19.12	80.7	26·87	81.0	.0197	.8425	19.31.9.	H	8 12 „
17	18.601	19.33	81.4	26·59	81.4	.0232	.8394	19.30.2	B	9 12 „
18	16.817	19.63	81.4	26.59	81.4	.0281	.8394	19.29.6	B	10 12 „
19	15.994	19.99	82.6	26.57	82.2	.0340	.8392	19.28.7	B	11 12 „
20	15.583	20.03	83.6	26·59	83.0	.0347	.8394	19.28.6	B	Noon.
21	16.817	19.48	82.5	26.87	82.1	.0257	.8425	19.31.1	C	1 12 p. m.
22	17.298	19.60	83.0	26.86	82.8	.0276	.8424	19.30.8	C	2 12 „
23	19.081	18.92	83.4	26·77	83.0	.0164	.8414	19.31.9	C	3 12 „
Aug. 6th-Noon.	19.081	18.73	83.0	26.54	83.0	.0134	.8389	19.31.3	C	4 12 „
1	19.013	18.80	83·0	26.44	83.0	.0145	.8378	19.30.6	H	5 12 „
2	18.464	18.74	82·3	26·39	82.9	.0136	.8372	19.30.5	H	6 12 „
3	18.052	18.64	82.0	26.41	82.5	.0119	.8375	19.30.9	H	7 12 „
4	18.052	18.52	82.0	26.47	82.3	.0099	.8381	19.31.4	H	8 12 „
5	18.532	18.45	81.4	26.48	81.8	.0088	.8382	19.31.0	B	9 12 „
6	18.464	18.47	81·5	26.55	81.7	.0092	.8390	19.31.4	B	10 12 „
7	18.875	18.64	81·5	26.57	81.7	.0119	.8392	19.31.5	B	11 12 „
8	19.013	18.60	81.5	26.61	81.8	.0112	.8397	19.32·0	B	Midnight.
9	19.218	18.49	81.5	26·60	81.9	.0095	.8396	19.32.0	C	1 12 a. m.
10	19.356	18.48	81.3	26.69	82.0	.0093	.8405	19.32.0	C	2 12 „
11	19.630	18.53	81.2	26.70	82.0	.0101	.8407	19.32.5	C	3 12 „
12	19.630	18.50	81.0	26.71	81.9	.0096	.8408	19.32.5	C	4 12 „
13	20.110	18.61	81.0	26·75	81.8	.0114	.8412	19.32.5	H	5 12 „
14	21.071	18.48	80.4	26.78	81.0	.0093	.8415	19.32.4	H	6 12 „
15	20.728	18.53	80.1	26.73	80.4	.0101	.8410	19.32.6	H	7 12 „
16	19.767	18.75	80.1	26.71	80.4	.0137	.8408	19.32.0	H	8 12 „
17	17.709	19.09	80.8	26.67	80.8	.0193	.8403	19.31.1	B	9 12 „
18	16.543	19.28	81.1	26.64	81.0	.0224	.8400	19.30.6	B	10 12 „
19	16.131	19.51	82·3	26.61	81.9	.0262	.8397	19.30.0	B	11 12 „
20	15.857	19.56	83·3	26.53	82.6	.0270	.8388	19.29.5	B	Noon.
21	16.464	19.45	83.9	26.65	83.3	.0251	.8401	19.30.2	C	1 12 p. m.
22	17.984	19.15	84.1	26.68	83.9	.0202	.8404	19.31.0	C	2 12 „
23	19.218	18.86	83.9	26.64	83.8	.0155	.8400	19.31.4	C	3 12 „
Aug. 8th-Noon.	20.316	18.91	83.5	26.57	83.9	.0163	.8392	19.31.0	H	4 12 „
1	19.699	18.80	83.0	26.32	83.4	.0145	.8377	19.30.6	H	5 12 „
2	18.738	18.82	82.8	26.11	83.0	.0148	.8342	19.29.2	H	6 12 „
3	18.189	18.78	82.5	26.19	83.0	.0142	.8350	19.29.8	H	7 12 „
4	18.189	18.75	82.4	26.24	82.8	.0137	.8356	19.30.0	H	8 12 „
5	18.258	18·73	82.1	26.36	82.6	.0134	.8369	19.30.5	B	9 12 „
6	18.395	18.68	81.9	26.39	82.5	.0125	.8372	19.30.6	B	10 12 „
7	18.601	18.69	81.8	26.45	82.4	.0127	.8379	19.30.9	B	11 12 „
8	18.807	18.72	81.8	26.47	82.4	.0132	.8381	19.31.0	B	Midnight.
9	18.807	18.73	81.7	26.48	82.2	.0134	.8382	19.31.0	C	1 12 a. m.
10	19.013	18.68	81.5	26.48	82.1	.0125	.8382	19.31.0	C	2 12 „
11	19.013	18.73	81.3	26.51	82.0	.0134	.8386	19.31.2	C	3 12 „
12	19.081	18.70	81.2	26.55	82.0	.0129	.8390	19.31.4	C	4 12 „
13	19.424	18.77	81.0	26.64	82.0	.0141	.8400	19.31.7	H	5 12 „
14	20.385	18.89	81.1	26.81	81.9	.0160	.8419	19.32.1	H	6 12 „
15	21.619	18.98	81.0	26.81	81.9	.0174	.8419	19.32.0	H	7 12 „
16	20.796	19.16	80.8	26.62	81.4	.0204	.8398	19.30.8	H	8 12 „
17	19.287	19.43	81.4	26.50	81.5	.0249	.8385	19.29.6	B	9 12 „
18	17.641	19.70	82.4	26·41	82.2	.0293	.8375	19.28.7	B	10 12 „
19	16.131	19.83	83.3	26.18	82.7	.0314	.8349	19.27.5	B	11 12 „
20	16.200	19.57	83.3	26·45	82.9	.0272	.8379	19.29.1	B	Noon.
21	18.327	19·26	82.6	26.54	82.9	.0221	.8389	19.30.1	C	1 12 p. m.
22	18.532	19.26	83.4	26·58	83.1	.0221	.8393	19.30.3	C	2 12 „
23	19.081	19.00	83.9	26.69	83.8	.0178	.8405	19.31.4	C	3 12 „

On the 5th, at about 19h. 20m., Dip as obtained by Observation was 19°08′4.

DAILY OBSERVATIONS FROM 9TH TO 11TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 9th-Noon.	19°04	18.85	83°8	26.60	83°9	8.0153	2.8396	19°31'3	C	4 12 p. m.
1	20.179	18.77	83.6	26.37	83.9	.0141	.8370	19.30.5	G M	5 12 „
2	18.944	18.78	83.0	26.11	83.7	.0142	.8342	19.29.4	G M	6 12 „
3	18.052	18.73	82.8	26.19	83.2	.0134	.8350	19.29.9	G M	7 12 „
4	18.052	18.66	82.6	26.25	83.0	.0122	.8357	19.30.3	G M	8 12 „
5	18.395	18.55	82.3	26.33	82.7	.0104	.8366	19.30.9	B	9 12 „
6	18.670	18.58	82.2	26.38	82.7	.0109	.8371	19.30.9	B	10 12 „
7	18.670	18.56	82.1	26.38	82.6	.0106	.8371	19.30.9	B	11 12 „
8	18.670	18.63	82.0	26.42	82.6	.0117	.8376	19.30.9	B	Midnight.
9	18.738	18.63	81.9	26.43	82.5	.0117	.8377	19.31.0	C	1 12 a. m.
10	19.150	18.52	80.6	26.48	81.6	.0099	.8382	19.31.4	C	2 12 „
11	19.595	18.71	80.9	26.56	81.7	.0131	.8391	19.31.4	C	3 12 „
12	19.767	18.87	81.0	26.62	81.9	.0157	.8398	19.31.3	C	4 12 „
13	20.453	18.95	80.9	26.65	81.6	.0169	.8401	19.31.3	G M	5 12 „
14	21.208	18.97	80.7	26.71	81.2	.0173	.8408	19.31.6	G M	6 12 „
15	21.897	19.15	80.6	26.64	81.2	.0202	.8400	19.30.9	G M	7 12 „
16	19.150	19.52	81.0	26.29	81.2	.0263	.8361	19.28.5	G M	8 12 „
17	16.406	19.80	81.6	26.30	81.6	.0309	.8363	19.28.0	B	9 12 „
18	16.269	19.67	81.9	26.43	81.9	.0288	.8377	19.28.8	B	10 12 „
19	14.347	20.02	82.8	26.31	82.4	.0345	.8364	19.27.4	B	11 12 „
20	13.386	19.82	83.5	26.36	83.0	.0312	.8369	19.28.2	B	Noon.
21	13.729	19.42	82.9	26.49	82.6	.0247	.8383	19.29.5	C	1 12 p. m.
22	16.406	19.17	82.0	26.76	82.0	.0206	.8413	19.31.3	C	2 12 „
23	18.532	19.19	81.8	26.91	82.0	.0209	.8430	19.32.0	C	3 12 „
Aug. 10th-Noon.	19.630	18.71	81.4	26.94	81.8	.0131	.8433	19.33.1	C	4 12 „
1	19.699	18.44	81.6	26.85	81.8	.0087	.8423	19.32.7	G M	5 12 „
2	19.699	18.26	80.8	26.70	81.7	.0057	.8407	19.32.5	G M	6 12 „
3	18.395	18.24	80.8	26.64	81.2	.0054	.8400	19.32.3	G M	7 12 „
4	18.601	18.30	80.9	26.72	81.2	.0063	.8409	19.32.5	G M	8 12 „
5	19.218	18.37	80.5	26.69	81.2	.0075	.8405	19.32.2	B	9 12 „
6	19.150	18.43	80.6	26.81	81.2	.0085	.8419	19.31.9	B	10 12 „
7	19.218	18.39	80.8	26.79	81.2	.0078	.8416	19.32.6	B	11 12 „
8	19.013	18.53	80.8	26.80	81.2	.0101	.8418	19.32.9	B	Midnight.
9	18.807	18.59	80.8	26.75	81.0	.0111	.8412	19.32.5	C	1 12 a. m.
10	19.013	18.74	80.7	26.83	81.0	.0136	.8421	19.32.5	C	2 12 „
11	19.081	18.47	80.3	26.83	80.9	.0092	.8421	19.32.6	C	3 12 „
12	19.218	18.37	80.3	26.84	80.8	.0075	.8422	19.32.8	C	4 12 „
13	19.287	18.64	80.5	26.86	80.8	.0119	.8424	19.32.8	G M	5 12 „
14	21.002	18.68	80.5	26.97	80.8	.0125	.8436	19.33.2	G M	6 12 „
15	22.101	18.84	80.7	27.01	80.9	.0152	.8441	19.33.1	G M	7 12 „
16	21.415	19.16	81.0	26.68	81.0	.0204	.8404	19.31.0	G M	8 12 „
17	19.150	19.42	82.0	26.43	81.9	.0247	.8377	19.29.3	B	9 12 „
18	17.435	19.63	82.3	26.07	82.2	.0281	.8337	19.27.5	B	10 12 „
19	15.926	19.70	82.9	25.93	82.7	.0293	.8322	19.26.6	B	11 12 „
20	14.897	19.77	83.3	25.91	83.1	.0305	.8320	19.26.4	B	Noon.
21	15.277	19.67	84.5	26.18	83.5	.0288	.8338	19.27.3	C	1 12 p. m.
22	17.092	19.34	84.4	26.42	84.0	.0234	.8376	19.29.5	C	2 12 „
23	18.670	19.08	84.2	26.57	84.0	.0191	.8392	19.30.6	C	3 12 „
Aug. 11th-Noon.	19.561	18.86	83.6	26.54	84.0	.0155	.8389	19.30.9	C	4 12 „
1	19.967	18.76	83.0	26.45	83.3	.0139	.8379	19.30.8	G M	5 12 „
2	19.150	18.64	82.0	26.17	83.0	.0119	.8348	19.29.9	G M	6 12 „
3	18.395	18.61	82.0	26.34	82.9	.0114	.8367	19.30.8	G M	7 12 „
4	17.984	18.54	82.0	26.33	82.7	.0103	.8366	19.30.9	G M	8 12 „
5	18.532	18.54	81.8	26.43	82.6	.0103	.8377	19.31.3	B	9 12 „
6	18.532	18.64	81.6	26.45	82.4	.0119	.8379	19.31.0	B	10 12 „
7	19.013	18.52	81.4	26.53	82.3	.0099	.8388	19.31.7	B	11 12 „
8	19.218	18.42	81.3	26.55	82.2	.0083	.8390	19.31.6	B	Midnight.
9	19.218	18.65	81.3	26.51	82.0	.0120	.8386	19.31.3	C	1 12 a. m.
10	19.493	18.59	81.0	26.55	81.9	.0111	.8390	19.31.7	C	2 12 „
11	19.356	18.65	81.0	26.56	81.6	.0120	.8391	19.31.5	C	3 12 „

On the 9th, at about 19h., Dip as obtained by Observation was 19°08'4.

DAILY OBSERVATIONS FROM 11TH TO 13TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 11th—12	19'356	18.72	80°9	26.62	81°6	8.0132	2.8398	19°31'7	C	4 12 p.m.
13	19.767	18.71	81.0	26.69	81.5	.0131	.8405	19.32.0	G M	5 12 „
14	21.345	18.83	81.0	26.85	81.5	.0150	.8423	19.32.4	G M	6 12 „
15	22.237	18.96	81.0	26.79	81.4	.0171	.8416	19.31.9	G M	7 12 „
16	21.482	19.34	81.4	26.50	81.6	.0234	.8385	19.29.9	G M	8 12 „
17	19.356	19.76	81.9	26.12	82.0	.0303	.8343	19.26.4	B	9 12 „
18	16.337	20.03	82.6	25.88	82.5	.0347	.8316	19.25.6	B	10 12 „
19	14.965	20.12	83.0	25.90	82.6	.0362	.8319	19.25.6	B	11 12 „
20	15.171	19.97	84.0	26.01	83.5	.0337	.8331	19.26.4	B	Noon.
21	16.200	19.75	84.5	26.22	84.0	.0301	.8344	19.27.4	C	1 12 p.m.
22	17.229	19.38	84.6	26.44	84.8	.0240	.8378	19.29.5	C	2 12 „
23	17.984	19.09	84.8	26.37	85.0	.0193	.8370	19.29.8	C	3 12 „
Aug. 12th—Noon.	19.081	18.90	84.8	26.34	85.0	.0161	.8367	19.30.1	C	4 12 „
1	20.179	18.55	84.4	26.30	84.9	.0104	.8363	19.30.7	G M	5 12 „
2	19.767	18.58	83.7	26.08	84.4	.0109	.8338	19.29.7	G M	6 12 „
3	18.395	18.42	83.0	26.02	83.9	.0083	.8332	19.29.3	G M	7 12 „
4	18.464	18.43	82.8	26.10	83.4	.0085	.8341	19.29.5	G M	8 12 „
5	18.395	18.32	82.5	26.22	83.3	.0066	.8344	19.29.9	B	9 12 „
6	18.807	18.38	82.3	26.33	83.2	.0076	.8366	19.30.7	B	10 12 „
7	18.944	18.48	82.3	26.34	83.0	.0093	.8367	19.30.5	B	11 12 „
8	18.670	18.51	82.1	26.34	83.0	.0098	.8367	19.30.9	B	Midnight.
9	19.287	18.69	82.0	26.37	82.8	.0127	.8370	19.30.6	C	1 12 a.m.
10	19.081	18.65	81.9	26.40	82.6	.0120	.8374	19.30.8	C	2 12 „
11	19.218	18.64	81.7	26.43	82.5	.0119	.8377	19.31.0	C	3 12 „
12	19.630	18.76	81.6	26.49	82.5	.0139	.8383	19.31.0	C	4 12 „
13	20.728	18.73	81.6	26.56	82.1	.0134	.8391	19.31.4	G M	5 12 „
14	21.895	18.71	81.2	26.81	82.0	.0131	.8419	19.32.5	G M	6 12 „
15	21.619	18.84	81.8	26.66	81.9	.0152	.8402	19.31.4	G M	7 12 „
16	20.042	19.25	82.0	26.51	82.0	.0219	.8386	19.30.0	G M	8 12 „
17	18.875	19.43	82.9	26.28	82.6	.0249	.8350	19.28.3	B	9 12 „
18	16.749	19.59	83.6	26.10	83.2	.0275	.8341	19.27.6	B	10 12 „
19	15.926	19.48	84.1	26.12	83.9	.0257	.8343	19.27.9	B	11 12 „
20	15.583	19.49	84.6	25.99	84.5	.0259	.8328	19.27.3	B	Noon.
21	15.720	19.30	85.0	26.05	84.9	.0227	.8335	19.28.0	C	1 12 p.m.
22	16.200	19.33	85.5	25.97	85.0	.0232	.8326	19.27.6	C	2 12 „
23	16.955	19.27	85.8	26.06	85.4	.0223	.8336	19.28.1	C	3 12 „
Aug. 13th—Noon.	18.258	19.07	85.5	26.16	85.4	.0190	.8347	19.29.0	C	4 12 „
1	19.630	18.78	84.1	26.24	84.8	.0142	.8356	19.30.0	G M	5 12 „
2	19.150	18.58	83.4	26.12	84.0	.0109	.8343	19.29.9	G M	6 12 „
3	18.532	18.48	83.0	26.11	83.8	.0093	.8342	19.29.5	G M	7 12 „
4	18.464	18.39	82.8	26.26	83.4	.0078	.8358	19.30.4	G M	8 12 „
5	18.601	18.48	82.2	26.27	83.0	.0093	.8359	19.30.2	B	9 12 „
6	19.013	18.56	82.2	26.36	82.7	.0106	.8369	19.30.8	B	10 12 „
7	19.081	18.44	82.1	26.36	82.7	.0087	.8369	19.30.5	B	11 12 „
8	18.807	18.55	82.0	26.38	82.6	.0104	.8371	19.31.0	B	Midnight.
9	19.081	18.48	82.0	26.42	82.7	.0093	.8376	19.30.8	C	1 12 a.m.
10	19.150	18.45	81.9	26.44	82.7	.0088	.8378	19.30.9	C	2 12 „
11	19.150	18.61	81.8	26.47	82.5	.0114	.8381	19.31.3	C	3 12 „
12	19.218	18.65	81.8	26.57	82.4	.0120	.8392	19.31.5	C	4 12 „
13	19.287	18.66	81.8	26.71	82.0	.0122	.8408	19.32.2	G M	5 12 „
14	21.415	18.70	81.8	26.76	82.0	.0129	.8413	19.32.3	G M	6 12 „
15	22.237	18.67	81.0	26.59	81.2	.0124	.8394	19.31.6	G M	7 12 „
16	21.482	18.86	81.9	26.46	81.9	.0155	.8380	19.30.6	G M	8 12 „
17	19.767	19.14	82.9	26.12	82.5	.0201	.8343	19.28.7	B	9 12 „
18	18.121	19.15	83.7	25.98	83.0	.0202	.8327	19.28.1	B	10 12 „
19	17.298	19.19	84.6	25.92	83.9	.0209	.8321	19.27.7	B	11 12 „
20	16.955	19.08	84.9	25.90	84.0	.0191	.8319	19.27.8	B	Noon.
21	17.023	18.89	84.7	25.99	84.5	.0160	.8328	19.28.6	C	1 12 p.m.
22	17.641	18.83	84.8	26.08	84.5	.0150	.8338	19.29.1	C	2 12 „
23	17.915	18.77	85.0	26.12	84.7	.0141	.8343	19.29.5	C	3 12 „

On the 12th, at about 19h. 10m., Dip as obtained by Observation was 19°03'8.

DAILY OBSERVATIONS FROM 15TH TO 17TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 15th-Noon.	19°013	18.68	84°6	26.25	85°0	8.0125	2.8357	19°30'2	G M	4 12 p. m.
1	19.013	18.48	84.0	26.25	84.9	.0093	.8357	19.30.2	G M	5 12 ,,
2	18.875	18.54	83.4	26.20	84.0	.0103	.8352	19.30.3	G M	6 12 ,,
3	18.807	18.44	82.8	26.20	83.7	.0087	.8352	19.29.9	G M	7 12 ,,
4	19.150	18.52	82.6	26.25	83.2	.0099	.8357	19.30.6	G M	8 12 ,,
5	18.464	18.50	82.4	26.30	83.4	.0096	.8363	19.30.7	B	9 12 ,,
6	18.670	18.57	82.2	26.42	83.2	.0108	.8376	19.31.2	B	10 12 ,,
7	18.738	18.67	82.0	26.49	82.8	.0124	.8383	19.31.2	B	11 12 ,,
8	18.875	18.66	82.0	26.56	82.7	.0122	.8391	19.31.5	B	Midnight.
9	19.150	18.67	81.9	26.54	82.7	.0124	.8389	19.31.4	C	1 12 a. m.
10	19.356	18.67	81.7	26.56	82.5	.0124	.8391	19.31.5	C	2 12 ,,
11	19.218	18.66	81.5	26.57	82.2	.0122	.8392	19.31.5	C	3 12 ,,
12	19.218	18.71	81.4	26.57	82.1	.0131	.8392	19.31.4	C	4 12 ,,
13	19.699	18.78	81.5	26.58	82.0	.0142	.8393	19.31.4	G M	5 12 ,,
14	20.728	18.74	81.4	26.71	81.9	.0136	.8408	19.32.0	G M	6 12 ,,
15	21.208	19.04	81.8	26.71	82.0	.0185	.8408	19.31.3	G M	7 12 ,,
16	20.659	19.17	82.2	26.47	82.2	.0206	.8381	19.30.0	G M	8 12 ,,
17	18.738	19.58	83.1	26.43	82.7	.0273	.8345	19.27.9	B	9 12 ,,
18	16.543	19.87	84.1	25.94	83.6	.0321	.8323	19.26.3	B	10 12 ,,
19	15.240	20.19	84.9	25.83	84.4	.0373	.8311	19.25.2	B	11 12 ,,
20	14.554	20.14	85.5	25.83	85.0	.0365	.8311	19.25.2	B	Noon.
21	14.858	19.94	85.5	25.88	85.3	.0332	.8316	19.26.0	C	1 12 p. m.
22	15.857	19.81	86.0	26.00	85.5	.0311	.8330	19.26.8	C	2 12 ,,
23	17.298	19.35	85.3	26.26	85.6	.0235	.8358	19.28.8	C	3 12 ,,
Aug. 16th-Noon.	18.875	18.93	84.0	26.41	84.7	.0166	.8375	19.30.3	C	4 12 ,,
1	19.081	18.78	84.0	26.42	84.0	.0142	.8376	19.30.7	G M	5 12 ,,
2	19.150	18.57	83.8	26.26	83.8	.0108	.8358	19.30.5	G M	6 12 ,,
3	19.081	18.16	83.0	26.31	83.6	.0040	.8364	19.31.0	G M	7 12 ,,
4	19.904	18.18	83.0	26.46	83.5	.0043	.8380	19.31.7	G M	8 12 ,,
5	19.356	18.23	82.6	26.42	83.4	.0052	.8376	19.31.3	B	9 12 ,,
6	19.218	18.16	82.5	26.42	83.3	.0040	.8376	19.31.5	B	10 12 ,,
7	19.218	18.07	82.3	26.42	83.2	.0026	.8376	19.31.7	B	11 12 ,,
8	19.561	17.98	82.3	26.51	83.0	.0010	.8386	19.32.3	B	Midnight.
9	19.630	18.15	82.2	26.51	82.9	.0038	.8386	19.31.9	C	1 12 a. m.
10	19.424	18.38	82.0	26.58	82.8	.0076	.8394	19.31.7	C	2 12 ,,
11	20.042	18.35	82.0	26.60	82.8	.0071	.8397	19.31,9	C	3 12 ,,
12	19.836	18.55	82.0	26.58	82.8	.0104	.8393	19.31.9	C	4 12 ,,
13	19.699	18.67	82.0	26.57	82.4	.0124	.8392	19.31.5	G M	5 12 ,,
14	21.551	18.63	82.0	26.71	82.0	.0117	.8408	19.32.2	G M	6 12 ,,
15	22.101	18.94	82.0	26.67	82.2	.0168	.8403	19.31.4	G M	7 12 ,,
16	21.895	18.84	82.1	26.52	82.2	.0152	.8387	19.31.0	G M	8 12 ,,
17	20.042	19.00	82.9	26.16	82.8	.0178	.8347	19.29.2	B	9 12 ,,
18	17.984	19.28	83.4	26.01	83.5	.0224	.8331	19.27.9	B	10 12 ,,
19	15.926	19.52	84.6	26.03	84.2	.0263	.8333	19.27.5	B	11 12 ,,
20	15.720	19.53	85.1	26.03	84.6	.0265	.8333	19.27.5	B	Noon.
21	15.994	19.30	84.1	26.12	84.1	.0227	.8343	19.28.3	C	1 12 p. m.
22	16.955	19.32	85.0	26.25	84.7	.0232	.8357	19.28.9	C	2 12 ,,
23	17.984	19.14	84.9	26.26	85.0	.0201	.8358	19.29.3	C	3 12 ,,
Aug. 17th-Noon.	18.464	18.84	84.8	26.35	85.0	.0152	.8368	19.30.2	C	4 12 ,,
1	18.670	18.56	84.1	26.24	84.8	.0106	.8356	19.30.4	G M	5 12 ,,
2	18.464	18.57	83.8	26.32	84.0	.0108	.8365	19.30.7	G M	6 12 ,,
3	18.395	18.47	83.4	26.43	83.8	.0092	.8377	19.30.9	G M	7 12 ,,
4	18.532	18.42	82.9	26.46	83.5	.0083	.8381	19.31.2	G M	8 12 ,,
5	18.738	18.44	82.8	26.51	83.5	.0087	.8386	19.31.2	B	9 12 ,,
6	18.807	18.45	82.6	26.54	83.4	.0088	.8389	19.31.3	B	10 12 ,,
7	19.013	18.45	82.1	26.56	82.8	.0088	.8391	19.31.4	B	11 12 ,,
8	19.150	18.65	82.1	26.58	82.7	.0120	.8393	19.31.6	B	Midnight.
9	19.218	18.50	82.0	26.59	82.6	.0096	.8394	19.31.9	C	1 12 a. m.
10	19.356	18.64	81.9	26.59	82.5	.0119	.8394	19.31.6	C	2 12 ,,
11	19.356	18.62	81.7	26.64	82.6	.0115	.8400	19.31.9	C	3 12 ,,

On the 16th, at about 19h., Dip as obtained by Observation was 19°04'7.

DAILY OBSERVATIONS FROM 17TH TO 19TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force: In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 17th—12	19°493	18.64	81°6	26.56	82°7	8.0119	2.8391	19°31′5	C	4 12 a. m.
13	19.699	18.51	81.2	26.66	82.0	.0098	.8402	19.32.2	G M	5 12 „
14	21.276	18.64	80.8	26.79	81.2	.0119	.8416	19.32.5	G M	6 12 „
15	22.649	18.78	81.2	26.81	81.6	.0142	.8419	19.32.4	G M	7 12 „
16	23.130	18.99	81.6	26.61	81.8	.0176	.8397	19.31.1	G M	8 12 „
17	19.767	19.52	82.6	26.32	82.2	.0263	.8365	19.28.7	B	9 12 „
18	17.902	19.89	83.3	26.24	82.9	.0324	.8356	19.27.6	B	10 12 „
19	15.994	20.06	84.3	26.26	83.8	.0352	.8359	19.27.3	B	11 12 „
20	15.857	19.90	84.8	26.45	84.2	.0325	.8379	19.28.3	B	Noon.
21	16.337	19.48	85.2	26.55	84.9	.0257	.8390	19.29.7	C	1 12 p. m.
22	16.886	19.06	85.7	26.48	85.1	.0188	.8382	19.30.4	C	2 12 „
23	18.258	18.73	84.9	26.63	84.9	.0134	.8399	19.31.7	C	3 12 „
Aug. 18th-Noon.	19.150	18.73	84.6	26.63	84.4	.0134	.8399	19.31.7	C	4 12 „
1	19.424	18.66	84.2	26.58	84.1	.0122	.8393	19.31.6	N	5 12 „
2	19.150	18.61	83.6	26.50	84.0	.0114	.8385	19.31.5	N	6 12 „
3	18.670	18.46	83.0	26.51	83.5	.0090	.8386	19.31.2	N	7 12 „
4	18.601	18.50	82.9	26.50	83.2	.0096	.8385	19.31.6	N	8 12 „
5	18.807	18.53	82.7	26.58	83.2	.0101	.8393	19.31.9	B	9 12 „
6	19.150	18.50	82.7	26.60	83.2	.0096	.8396	19.32.0	B	10 12 „
7	19.218	18.55	82.4	26.59	83.0	.0104	.8394	19.31.9	B	11 12 „
8	19.356	18.54	82.3	26.61	82.9	.0103	.8397	19.32.1	B	Midnight.
9	19.630	18.56	82.1	26.64	82.9	.0106	.8400	19.32.1	C	1 12 a. m.
10	20.247	18.44	81.9	26.63	82.6	.0087	.8399	19.31.7	C	2 12 „
11	19.836	18.53	81.8	26.58	82.4	.0101	.8393	19.31.9	C	3 12 „
12	19.699	18.63	81.8	26.61	82.3	.0117	.8397	19.31.8	C	4 12 „
13	19.973	18.68	81.8	26.64	82.1	.0125	.8400	19.31.8	N	5 12 „
14	21.208	18.62	81.7	26.71	82.1	.0115	.8408	19.32.2	N	6 12 „
15	21.551	18.72	81.7	26.71	82.0	.0132	.8408	19.32.1	N	7 12 „
16	21.208	19.00	82.0	26.58	82.1	.0178	.8393	19.30.9	N	8 12 „
17	20.042	19.30	82.7	26.51	82.6	.0227	.8386	19.29.9	B	9 12 „
18	18.601	19.37	82.5	26.43	82.5	.0239	.8377	19.29.5	B	10 12 „
19	17.572	19.57	83.3	26.34	82.9	.0272	.8367	19.28.7	B	11 12 „
20	16.543	19.41	83.9	26.34	83.1	.0246	.8367	19.28.9	B	Noon.
21	16.749	19.10	84.2	26.41	83.7	.0194	.8375	19.30.0	C	1 12 p. m.
22	17.503	19.02	84.9	26.44	84.6	.0181	.8378	19.30.3	C	2 12 „
23	18.258	18.74	84.7	26.49	84.6	.0136	.8383	19.31.0	C	3 12 „
Aug. 19th-Noon.	19.356	18.65	84.8	26.57	84.9	.0120	.8392	19.31.5	C	4 12 „
1	19.493	18.67	84.3	26.50	84.7	.0124	.8385	19.31.3	N	5 12 „
2	19.013	18.62	83.5	26.45	84.0	.0115	.8379	19.31.0	N	6 12 „
3	18.429	18.53	83.0	26.44	83.8	.0101	.8378	19.31.3	N	7 12 „
4	18.670	18.45	82.8	26.48	83.3	.0088	.8382	19.31.0	N	8 12 „
5	18.807	18.41	82.6	26.52	83.0	.0082	.8387	19.31.5	B	9 12 „
6	18.875	18.44	82.4	26.54	83.0	.0087	.8389	19.31.3	B	10 12 „
7	19.356	18.45	82.4	26.58	83.0	.0088	.8393	19.31.5	B	11 12 „
8	19.356	18.44	82.3	26.58	82.9	.0087	.8393	19.31.5	B	Midnight.
9	19.493	18.52	82.3	26.57	82.9	.0099	.8392	19.31.8	C	1 12 a. m.
10	19.493	18.56	82.2	26.59	82.9	.0106	.8394	19.31.8	C	2 12 „
11	19.561	18.51	82.0	26.60	82.9	.0098	.8396	19.32.0	C	3 12 „
12	19.493	18.63	81.6	26.61	82.3	.0117	.8397	19.31.8	C	4 12 „
13	19.561	18.74	81.8	26.63	82.2	.0136	.8399	19.31.6	N	5 12 „
14	20.385	18.76	81.8	26.67	82.2	.0139	.8403	19.31.8	N	6 12 „
15	20.316	19.02	81.9	26.59	82.2	.0181	.8394	19.30.9	N	7 12 „
16	19.973	19.33	82.4	26.48	82.5	.0232	.8382	19.29.7	N	8 12 „
17	17.846	19.67	82.7	26.26	82.6	.0288	.8358	19.28.1	B	9 12 „
18	15.926	20.03	83.9	26.25	83.4	.0347	.8357	19.27.3	B	10 12 „
19	15.034	20.15	84.6	26.26	84.0	.0366	.8358	19.27.1	B	11 12 „
20	15.107	20.09	85.2	26.30	84.6	.0357	.8363	19.27.3	B	Noon.
21	15.994	19.78	85.0	26.45	85.0	.0306	.8379	19.28.6	C	1 12 p. m.
22	17.160	19.45	85.4	26.53	85.0	.0257	.8388	19.29.6	C	2 12 „
23	18.052	19.11	85.0	26.63	85.0	.0196	.8399	19.30.8	C	3 12 „

On the 19th, at about 19h., Dip as obtained by Observation was 19°05′9.

DAILY OBSERVATIONS FROM 20TH TO 24TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 20th-Noon.	18'875	19.01	85°1	26.55	85°0	8.0180	2.8380	19°30'4	C	4 12 p. m.
1	19.081	18.88	84,4	26.53	84.4	.0158	.8388	19.30.9	N	5 12 „
2	18.601	18.79	83.2	26.46	83.9	.0144	.8380	19.30.9	N	6 12 „
3	18.258	18.76	82.9	26.49	83.5	.0139	.8383	19.31.0	N	7 12 „
4	18.395	18.76	82.5	26.51	83.1	.0139	.8386	19.31.1	N	8 12 „
5	18.327	18.78	82.3	26.51	83.0	.0142	.8386	19.31.1	B	9 12 „
6	18.601	18.84	82.3	26.53	83.0	.0152	.8388	19.31.0	B	10 12 „
7	18.670	18.81	82.5	26.56	83.0	.0147	.8391	19.31.1	B	11 12 „
8	18.807	18.86	82.5	26.58	83.0	.0155	.8393	19.31.1	B	Midnight.
9	19.081	18.96	82.5	26.59	83.0	.0171	.8394	19.31.0	C	1 12 a. m.
10	19.218	19.00	82.1	26.61	82.9	.0178	.8397	19.31.1	C	2 12 „
11	19.561	18.94	81.9	26.60	82.5	.0168	.8396	19.31.1	C	3 12 „
12	19.424	18.95	81.4	26.61	82.3	.0169	.8397	19.31.2	C	4 12 „
13	19.836	18.97	81.7	26.67	82.2	.0173	.8403	19.31.4	N	5 12 „
14	21.002	18.91	81.3	26.76	82.0	.0163	.8413	19.31.9	N	6 12 „
15	22.168	18.88	81.2	26.75	81.8	.0158	.8412	19.31.8	N	7 12 „
16	21.895	19.53	81.8	26.56	82.0	.0265	.8391	19.30.6	N	8 12 „
17	19.493	19.74	82.7	26.33	82.5	.0300	.8366	19.28.2	B	9 12 „
18	17.092	20.03	83.2	26.17	82.9	.0347	.8348	19.26.9	B	10 12 „
19	15.308	20.19	84.2	26.13	83.0	.0373	.8344	19.26.5	B	11 12 „
20	14.897	20.04	85.1	26.32	84.6	.0349	.8365	19.27.5	B	Noon.
21	15.651	19.65	85.7	26.51	85.2	.0284	.8386	19.29.4	C	1 12 p. m.
22	17.572	19.11	85.9	26.63	85.7	.0196	.8399	19.30.8	C	2 12 „
23	18.601	18.80	85.5	26.66	85.4	.0145	.8402	19.31.5	C	3 12 „
Aug. 23rd-Noon.	20.110	18.95	85.0	26.76	85.2	.0169	.8413	19.31.8	G M	4 12 „
1	20.385	18.53	83.8	26.87	84.0	.0101	.8425	19.33.2	G M	5 12 „
2	20.179	18.26	83.2	26.96	83.8	.0057	.8435	19.33.6	G M	6 12 „
3	19.424	18.42	83.0	26.61	83.0	.0083	.8397	19.31.9	G M	7 12 „
4	19.013	18.44	82.4	26.69	83.0	.0087	.8405	19.32.0	G M	8 12 „
5	18.870	18.47	82.5	26.70	82.8	.0092	.8407	19.32.1	L	9 12 „
6	18.670	18.55	82.3	26.85	82.8	.0104	.8423	19.33.1	L	10 12 „
7	18.807	18.52	82.2	26.88	82.7	.0099	.8426	19.33.2	L	11 12 „
8	18.944	18.59	82.1	26.88	82.6	.0111	.8426	19.33.1	L	Midnight.
9	18.875	18.59	82.0	26.92	82.6	.0111	.8431	19.33.3	C	1 12 a. m.
10	19.150	18.64	82.0	26.93	82.6	.0119	.8432	19.33.1	C	2 12 „
11	19.424	18.63	81.9	26.94	82.6	.0117	.8433	19.33.2	C	3 12 „
12	19.424	18.63	81.6	26.95	82.1	.0117	.8434	19.33.2	C	4 12 „
13	19.836	18.62	81.4	27.04	82.0	.0115	.8444	19.33.6	G M	5 12 „
14	21.345	18.68	81.0	27.07	82.0	.0125	.8446	19.33.6	G M	6 12 „
15	21.415	18.81	81.0	26.91	81.0	.0147	.8430	19.32.7	G M	7 12 „
16	19.836	19.09	81.8	26.94	81.2	.0193	.8433	19.32.3	G M	8 12 „
17	17.984	19.49	82.7	26.78	82.3	.0259	.8415	19.30.7	L	9 12 „
18	16.543	19.38	83.6	26.75	83.0	.0273	.8412	19.30.4	L	10 12 „
19	15.445	19.65	84.1	26.63	83.6	.0284	.8401	19.29.9	L	11 12 „
20	14.622	19.65	84.2	26.81	83.8	.0284	.8419	19.30.5	L	Noon,
21	15.445	19.47	84.0	27.10	84.0	.0256	.8451	19.32.1	C	1 12 p. m.
22	17.023	19.19	83.1	27.28	83.0	.0209	.8460	19.33.1	C	2 12 „
23	19.150	18.85	82.5	27.31	82.6	.0153	.8464	19.33.9	C	3 12 „
Aug. 24th-Noon.	19.904	18.58	82.0	27.26	82.0	.0099	.8457	19.34.5	C	4 12 „
1	20.522	18.53	81.7	27.12	81.2	.0101	.8453	19.34.3	G M	5 12 „
2	19.630	18.40	81.2	27.03	81.0	.0080	.8443	19.33.7	G M	6 12 „
3	18.944	18.52	81.8	27.01	81.0	.0099	.8441	19.33.8	G M	7 12 „
4	18.944	18.45	81.5	27.06	81.2	.0088	.8446	19.33.6	G M	8 12 „
5	18.944	18.48	81.4	27.07	81.5	.0093	.8447	19.33.7	L	9 12 „
6	19.013	18.53	81.5	27.05	81.7	.0101	.8445	19.34.0	L	10 12 „
7	19.081	18.59	81.5	27.07	81.7	.0111	.8447	19.34.0	L	11 12 „
8	19.218	18.56	81.0	27.05	81.5	.0106	.8445	19.33.9	L	Midnight.
9	19.150	18.51	81.1	27.05	81.5	.0098	.8445	19.34.0	C	1 12 a. m.
10	19.356	18.50	81.0	27.08	81.5	.0096	.8448	19.34.1	C	2 12 „
11	19.493	18.52	81.0	27.04	81.3	.0099	.8444	19.33.9	C	3 12 „

DAILY OBSERVATIONS FROM 24TH TO 26TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 24th—12	19'424	18.69	80°9	27.05	81°2	8.0127	2.8445	19°33'6	C	4 12 a. m.
13	20.179	18.66	81.0	27.08	81.2	.0122	.8448	19.33.8	G M	5 12 „
14	22.101	18.71	81.0	27.19	81.0	.0131	.8460	19.34.1	G M	6 12 „
15	22.374	18.66	81.2	27·13	80.9	.0122	.8454	19.34.0	G M	7 12 „
16	21.276	18.72	81.4	26·98	80.8	.0132	.8477	19.34.8	G M	8 12 „
17	18.875	19.12	82.1	26.67	81.6	.0197	.8403	19.31.0	L	9 12 „
18	16.749	19.32	82.7	26.49	82.4	.0230	.8383	19.29.8	L	10 12 „
19	16.269	19.55	83.3	26.35	82.4	.0268	.8368	19.28.7	L	11 12 „
20	15.788	19.60	84.0	26.38	83.2	.0276	.8371	19.29.7	L	Noon.
21	15.857	19.20	83.1	26.59	83.0	.0211	.8394	19.30.5	C	1 12 p. m.
22	16.955	18.94	82.6	26.78	82.8	.0168	.8415	19.31.9	C	2 12 „
23	18.121	18.87	82.9	26.97	82.8	.0157	.8436	19.32.8	C	3 12 „
Aug. 25th-Noon.	19.424	18.72	83.0	27.02	82.9	.0132	.8442	19.33.4	C	4 12 „
1	20.179	18.78	82.5	27.05	82.2	.0142	.8445	19.33.5	G M	5 12 „
2	20.247	18.82	82.2	26.95	82.2	.0148	.8434	19.32.8	G M	6 12 „
3	18.875	18.93	82.0	26.85	82.4	.0166	.8423	19.32.2	G M	7 12 „
4	18.464	18.87	81.8	26.88	82.0	.0157	.8426	19.32.4	G M	8 12 „
5	18.532	18.54	81.7	26.91	82.0	.0103	.8430	19.33.4	L	9 12 „
6	19.013	18.62	81.5	26.94	82.0	.0115	.8433	19.33.2	L	10 12 „
7	19.150	18.64	81.6	26.96	82.0	.0119	.8435	19.33.3	L	11 12 „
8	18.807	18.65	81.6	26.91	82.0	.0120	.8430	19.33.1	L	Midnight.
9	18.670	18·93	81.6	26.99	82.0	.0166	.8438	19.32.8	C	1 12 a. m.
10	19.836	18.35	81.5	27.09	82.0	.0071	.8449	19.34.0	C	2 12 „
11	20.042	18.85	81.5	27.00	81.9	.0153	.8440	19.33.1	C	3 12 „
12	20.042	18.58	81.5	27.04	81.9	.0109	.8444	19.33.8	C	4 12 „
13	21.139	18.73	81.7	27.05	81.7	.0134	.8445	19.33.6	G M	5 12 „
14	22.374	18.15	81.2	27.10	82.0	.0038	.8451	19.34.5	G M	6 12 „
15	23.473	18.35	81.0	27.03	81.6	.0071	.8443	19.33.8	G M	7 12 „
16	22.581	18.76	80.8	26.90	80.6	.0139	.8429	19.32.8	G M	8 12 „
17	19.218	18.09	81.4	26.68	81.0	.0029	.8404	19.32.7	L	9 12 „
18	17.572	18.25	82.7	26.54	82.1	.0055	.8389	19.31.7	L	10 12 „
19	16.886	19.13	82.7	26.50	82.1	.0199	.8385	19.30.3	L	11 12 „
20	15.926	18.78	83.7	26.35	83.0	.0142	.8368	19.30.4	L	Noon.
21	15.583	18.74	83.9	26.32	83.2	.0136	.8365	19.30.3	C	1 12 p. m.
22	15.583	18.56	84.0	26.33	83.9	.0106	.8366	19.30.8	C	2 12 „
23	17.435	18.42	84.0	26.65	83.9	.0083	.8401	19.32.0	C	3 12 „
Aug. 26th-Noon.	19.013	18.32	83.8	26.81	83.5	.0068	.8419	19.32.8	C	4 12 „
1	20.179	18.25	83.2	26.91	83.0	.0055	.8430	19.33.4	G M	5 12 „
2	20.179	18.27	82.9	26.61	82.9	.0059	.8497	19.32.1	G M	6 12 „
3	19.493	18.09	82.2	26.70	82.6	.0029	.8407	19.32.9	G M	7 12 „
4	19.430	18.14	82.0	26.70	82.0	.0037	.8407	19.32.8	G M	8 12 „
5	19.767	18.11	81.8	26.78	82.0	.0032	.8415	19.33.2	L	9 12. „
6	19.630	18.42	81.8	26.91	82.0	.0083	.8430	19.33.2	L	10 12 „
7	19.973	18.08	81·4	27.12	81.9	.0027	.8453	19.34.7	L	11 12 „
8	19.767	18.15	81.2	27.00	81.5	.0038	.8440	19.34.1	L	Midnight.
9	19.904	18.39	81·0	26.98	81.5	.0078	.8437	19.33.5	C	1 12 a. m.
10	19.767	18.36	81.1	26.87	81.5	.0073	.8425	19.33.2	C	2 12 „
11	19.973	18·34	81.1	26.81	81.5	.0070	.8419	19.32.8	C	3 12 „
12	20.522	18.29	81.2	26.99	81.6	.0062	.8438	19.33.7	C	4 12 „
13	20.865	18.30	81.2	27.03	81.8	.0063	.8443	19.33.9	G M	5 12 „
14	22.101	18.52	81.0	27.05	81.6	.0099	.8445	19.34.0	G M	6 12 „
15	23.130	18·51	80.8	27.02	81.2	.0098	.8442	19.33.8	G M	7 12 „
16	22.237	18·46	80.8	26.64	80.8	.0090	.8400	19.31.8	G M	8 12 „
17	19.904	18.74	81.1	26.63	80.9	.0136	.8399	19.31.6	L	9 12 „
18	17.778	18.98	81.8	26.49	81.2	.0174	.8383	19.30.6	L	10 12 „
19	17.023	19.43	82.4	26.38	81.9	.0249	.8371	19.29.0	L	11 12 „
20	15.514	19.62	83.3	26·32	82.7	.0279	.8365	19.28.5	L	Noon.
21	15.583	19.73	84.0	26.29	83.4	.0298	.8361	19.28.0	C	1 12 p. m.
22	15.857	19.55	84·3	26.32	84.0	.0268	.8365	19.28.6	C	2 12 „
23	17.366	19.38	84.7	26.43	84.3	.0240	.8377	19.29.5	C	3 12 „

On the 26th, at about 19h., Dip as obtained by Observation was 18°57'5.

DAILY OBSERVATIONS FROM 27TH TO 30TH AUGUST 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Aug. 27th-Noon.	18°875	18.93	84°4	26.40	84°8	8.0166	2.8374	19°30'2	C	4 12 p. m.
1	18.944	18.92	84.0	26.33	84.2	.0164	.8366	19.30.0	G M	5 12 ,,
2	18.670	18.77	82.8	26.08	83.2	.0141	.8338	19.29.3	G M	6 12 ,,
3	19.424	18.32	82.0	26.11	82.9	.0066	.8342	19.29.8	G M	7 12 ,,
4	18.807	18.35	82.2	26.09	83.0	.0071	.8339	19.29.7	G M	8 12 ,,
5	18.807	18.36	82.1	26.13	82.7	.0073	.8344	19.29.9	L	9 12 ,,
6	19.013	18.38	82.0	26.20	82.6	.0076	.8352	19.30.1	L	10 12 ,,
7	19.218	18.72	81.9	26.32	82.6	.0132	.8365	19.30.4	L	11 12 ,,
8	19.561	18.55	81.8	26.38	82.5	.0104	.8371	19.31.0	L	Midnight.
9	19.836	18.38	81.5	26.39	82.2	.0076	.8372	19.30.8	N	1 12 a. m.
10	19.836	18.68	81.6	26.44	82.0	.0125	.8378	19.30.9	N	2 12 ,,
11	19.836	18.62	81.5	26.58	82.0	.0115	.8383	19.31.2	N	3 12 ,,
12	20.385	18.46	81.3	26.62	82.0	.0090	.8398	19.31.7	N	4 12 ,,
13	20.463	18.40	81.2	26.94	81.9	.0085	.8433	19.33.1	G M	5 12 ,,
14	20.659	18.66	81.2	26.99	81.8	.0122	.8438	19.33.4	G M	6 12 ,,
15	22.032	18.85	81.6	26.97	81.8	.0153	.8436	19.32.9	G M	7 12 ,,
16	21.895	18.85	82.0	26.88	82.0	.0153	.8426	19.32.5	G M	8 12 ,,
17	21.208	18.94	83.0	26.64	82.6	.0168	.8400	19.31.3	L	9 12 ,,
18	19.699	19.25	83.8	26.44	83.4	.0219	.8378	19.29.7	L	10 12 ,,
19	18.601	19.48	84.5	26.26	83.9	.0257	.8358	19.28.5	B	11 12 ,,
20	17.435	19.53	85.2	26.14	84.7	.0265	.8345	19.27.9	L	Noon
21	17.641	19.47	85.5	26.19	85.2	.0256	.8339	19.27.7	G	1 12 p. m.
22	18.052	19.29	85.6	26.34	85.4	.0226	.8367	19.29.2	B	2 12 ,,
23	19.081	19.01	85.6	26.42	85.6	.0180	.8376	19.30.2	B	3 12 ,,
Aug. 28th-Noon.	19.904	18.84	85.4	26.54	85.6	.0152	.8389	19.31.0	B	4 12 ,,
1	20.110	18.71	85.0	26.52	85.2	.0131	.8387	19.31.3	G	5 12 ,,
2	19.699	18.47	84.2	26.46	84.8	.0092	.8380	19.31.0	G	6 12 ,,
3	19.767	18.19	83.8	26.53	84.2	.0045	.8388	19.31.8	G	7 12 ,,
4	19.356	18.13	83.5	26.64	84.0	.0035	.8400	19.32.5	G	8 12 ,,
5	19.218	18.26	83.0	26.62	83.9	.0057	.8398	19.32.1	L	9 12 ,,
6	19.287	18.31	82.8	26.65	83.6	.0065	.8401	19.32.1	L	10 12 ,,
7	19.218	18.32	82.5	26.67	83.3	.0066	.8403	19.32.2	L	11 12 ,,
8	19.630	18.47	82.3	26.73	83.0	.0092	.8410	19.32.2	L	Midnight.
9	19.699	18.40	82.3	26.74	82.9	.0080	.8411	19.32.4	B	1 12 a.m.
10	20.110	18.38	82.2	26.75	82.7	.0076	.8412	19.32.4	B	2 12 ,,
11	20.110	18.54	82.2	26.78	82.6	.0103	.8415	19.32.8	B	3 12 ,,
12	20.316	18.49	82.0	26.78	82.6	.0095	.8415	19.32.8	B	4 12 ,,
13	20.728	18.54	82.0	26.82	82.2	.0103	.8420	19.33.0	G M	5 12 ,,
14	21.758	18.69	82.0	26.94	82.0	.0127	.8433	19.33.1	G M	6 12 ,,
15	22.032	18.91	82.0	26.90	82.0	.0163	.8429	19.32.5	G M	7 12 ,,
16	21.619	19.14	82.0	26.75	82.4	.0201	.8412	19.31.3	G M	8 12 ,,
17	20.316	19.60	83.0	26.59	82.9	.0276	.8394	19.29.6	L	9 12 ,,
18	18.601	19.90	84.2	26.36	83.6	.0325	.8369	19.27.9	L	10 12 ,,
19	17.023	19.94	84.5	26.28	84.0	.0332	.8360	19.27.6	L	11 12 ,,
20	16.269	19.91	85.0	26.23	84.4	.0327	.8355	19.27.5	L	Noon.
21	16.817	19.65	85.5	26.36	85.1	.0284	.8369	19.28.6	C	1 12 p. m.
22	18.327	19.51	86.0	26.51	85.9	.0262	.8386	19.29.5	C	2 12 ,,
23	19.699	19.48	85.9	26.58	86.0	.0257	.8393	19 29.8	C	3 12 ,,
Aug. 30th-Noon.	19.630	18.60	83.1	26.69	83.9	.0112	.8405	19.32.3	C	4 12 ,,
1	19.767	18.56	82.8	26.74	83.7	.0106	.8411	19.32.5	C	5 12 ,,
2	19.150	18.64	82.5	26.71	83.2	.0119	.8408	19.32.2	C	6 12 ,,
3	19.150	18.44	82.2	26.74	83.1	.0087	.8411	19.32.2	C	7 12 ,,
4	19.630	18.41	82.1	26.78	83.0	.0082	.8415	19.32.6	C	8 12 ,,
5	20.042	18.19	82.0	26.77	83.0	.0045	.8414	19.32.8	G M	9 12 ,,
6	19.561	18.47	82.2	26.73	82.9	.0092	.8410	19.32.2	G M	10 12 ,,
7	19.630	18.42	82.2	26.74	82.8	.0083	.8411	19.32.4	G M	11 12 ,,
8	19.493	18.61	82.0	26.78	82.8	.0114	.8415	19.32.7	G M	Midnight.
9	19.904	18.55	82.0	26.88	82.8	.0104	.8426	19.33.2	B	1 12 a. m.
10	19.630	18.61	82.0	26.88	82.7	.0114	.8426	19.33.1	B	2 12 ,,
11	21.071	18.51	81.9	26.88	82.6	.0098	.8426	19.33.2	B	3 12 ,,

On the 28th, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 30TH AUGUST TO 1ST SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	°									h. m.
Aug. 30th—12	21·071	18·56	81°5	26.87	82°3	8.0106	2.8425	19°33′1	B	4 12 a. m.
13	20.522	18.59	81.6	26.90	82.4	.0111	.8429	19.33.2	C	5 12 „
14	21.688	18.61	81.6	26.92	82.4	.0114	.8431	19.33.3	C	6 12 „
15	21.895	18.43	81.7	26.91	82.0	.0085	.8430	19.33.0	C	7 12 „
16	21.415	18.78	81.6	26.81	82.0	.0142	.8419	19.32.4	C	8 12 „
17	19.630	18.77	81.8	26.68	82.0	.0141	.8404	19.31.8	G M	9 12 „
18	17.023	19.17	82.2	26.66	82.5	.0206	.8402	19.30.8	G M	10 12 „
19	15.926	19.22	83.0	26.63	83.0	.0214	.8399	19.30.7	G M	11 12 „
20	15.240	19.29	83.0	26.68	83.0	.0226	.8404	19.30.6	G M	Noon.
21	16.749	18.80	82.0	26.88	82.7	.0145	.8426	19.32.5	B	1 12 p. m.
22	17.435	18.95	82.3	26.92	82.6	.0169	.8431	19.32.5	B	2 12 „
23	17.915	18.81	82.2	26.92	82.6	.0147	.8431	19.32.7	B	3 12 „
Aug. 31st-Noon.	18.670	18.51	82.3	26·97	82.5	.0098	.8436	19.33.6	B	4 12 „
1	19.150	18.37	81.8	26.88	82.5	.0075	.8426	19.33.0	C	5 12 „
2	18.875	18.56	81.8	26.84	82.0	.0106	.8422	19.33.0	G M	6 12 „
3	17.984	18.52	81.5	26.86	82.1	.0099	.8424	19.33.1	N	7 12 „
4	18.601	18.38	81.5	26.91	82.1	.0076	.8430	19.33.2	N	8 12 „
5	19.081	18.64	81.7	26.94	82.0	.0119	.8433	19.33.2	G M	9 12 „
6	18.670	18.55	81.8	26.94	82.0	.0104	.8433	19.33.5	G M	10 12 „
7	17.984	18.61	81.8	26.99	82.2	.0114	.8438	19.33·6	G M	11 12 „
8	18.052	18.71	81.7	27.02	82.0	.0131	.8442	19.33.4	G M	Midnight.
9	17.298	18.80	81.1	26.96	81.9	.0148	.8435	19.32.9	B	1 12 a.m.
10	18.189	18.62	80.9	27.02	81.6	.0115	.8442	19.33.5	B	2 12 „
11	18.601	18.72	80.9	27.02	81.6	.0132	.8442	19.33.4	B	3 12 „
12	18.670	18.57	79.9	27.02	80.6	.0108	.8442	19.33.7	B	4 12 „
13	18.189	18.71	80.0	27.07	80.6	.0131	.8447	19.33.7	N	5 12 „
14	19.424	18.76	80.3	27.12	80.7	.0139	.8453	19.33.8	N	6 12 „
15	20.865	18.32	80.7	27.15	80.7	.0066	.8456	19.34.3	N	7 12 „
16	20.659	18.49	81.1	27.03	81.0	.0095	.8443	19.33.8	N	8 12 „
17	19.699	19.17	82.5	26.86	82.0	.0206	.8424	19.31.7	G M	9 12 „
18	18.121	19.27	82.2	26.67	81.8	.0223	.8403	19.30.7	G M	10 12 „
19	16.612	19.78	83.2	26.63	82.8	.0306	.8399	19.29.4	G M	11 12 „
20	15.240	19.90	84.0	26.58	83.2	.0325	.8393	19.28.9	G M	Noon.
21	14.691	19.62	84.5	26.61	83.7	.0279	.8397	19.29.8	B	1 12 p.m.
22	15.445	19.53	84.9	26.73	84.4	.0265	.8410	19.30.4	B	2 12 „
23	15.720	19.19	84.9	26.83	85.0	.0209	.8421	19.31.6	B	3 12 „
Sept. 1st-Noon.	16.337	18.71	84.5	26.85	85.0	.0131	.8423	19.32·7	B	4 12 „
1	16.612	18.58	84.0	26.85	85.0	.0109	.8423	19.33.0	R	5 12 „
2	16.406	18.67	83.4	26.78	84.5	.0124	.8415	19.32.5	R	6 12 „
3	17.298	18.41	83.0	26.82	84.0	.0082	.8420	19.32.8	R	7 12 „
4	17.503	18.24	82.8	26.87	83.9	.0054	.8425	19.33.3	R	8 12 „
5	17.709	18.05	82.8	26.80	83.2	.0022	.8418	19.33.4	G M	9 12 „
6	17.298	18.17	82.5	26.81	83.0	.0042	.8419	19.33.2	G M	10 12 „
7	17.435	18.64	82.2	26.87	83.0	.0119	.8425	19.32.9	G M	11 12 „
8	17.298	18.36	82.0	26.90	82.9	.0073	.8429	19.33.2	G M	Midnight.
9	17.641	18.38	81.9	26·92	82.8	.0076	.8431	19.33.2	B	1 12 a. m.
10	17.641	18.29	81.8	26.93	82.7	.0062	.8432	19.33.4	B	2 12 „
11	17.572	18.33	81.7	26.93	82.6	.0063	.8432	19.33.3	B	3 12 „
12	17.503	18.46	81.6	26.93	82.5	.0090	.8432	19.33.0	B	4 12 „
13	18.327	18.25	81·2	26.91	82.0	.0055	.8430	19.33.4	R	5 12 „
14	19.699	18.20	81.2	27.06	82.0	.0047	.8446	19.34.1	R	6 12 „
15	20.179	18.35	81.2	27.11	82.0	.0071	.8452	19.34.1	R	7 12 „
16	19.356	18.56	81.5	27.07	82.2	.0106	.8447	19.34.0	R	8 12 „
17	20.865	18.74	82.4	26.88	82.5	.0136	.8426	19.32.7	G M	9 12 „
18	18.395	19.08	83.5	26.61	83.0	.0191	.8397	19.30.9	G M	10 12 „
19	16.680	18.88	84.4	26.61	83.8	.0158	.8897	19.31.3	G M	11 12 „
20	16.406	19.10	85.0	26.60	84.8	.0194	.8396	19.30.8	G M	Noon.
21	16.749	19.24	85.5	26.67	84.9	.0218	.8403	19.30.7	B	1 12 p.m.
22	17.435	18.99	85.5	26.80	85.1	.0176	.8418	19.31.9	B	2 12 „
23	18.944	18.79	85.0	26.87	85.4	.0144	.8425	19.32.7	B	3 12 „

DAILY OBSERVATIONS FROM 2ND TO 5TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	°							° ′		h. m.
SEPT. 2ND-Noon.	19·973	18.66	83·6	26.98	84·5	8.0122	2.8437	19°34′2	B	4 12 p. m.
1	20.522	18.52	82.8	26.95	83.8	.0099	.8434	19.33.5	R	5 12 „
2	20.316	18.43	82.0	26.93	83.0	.0085	.8432	19.33.0	R	6 12 „
3	20.427	18.41	81.8	26.93	82.9	.0082	.8432	19.33.2	R	7 12 „
4	19.630	18.18	82.0	26.93	82.9	.0043	.8432	19 33.7	R	8 12 „
5	19.699	18.37	81.8	26.91	82.9	.0075	.8430	19.33.2	G M	9 12 „
6	19.150	18.69	81.9	26.90	81.9	.0127	.8429	19.32.9	G M	10 12 „
7	19.424	18.46	81.8	26.95	82.4	.0090	.8434	19.33.1	G M	11 12 „
8	19.630	18.46	81.8	26.94	82.1	.0090	.8433	19.33.1	G M	Midnight.
9	19.013	18.81	81.6	26·96	82.1	.0147	.8435	19.32.9	B	1 12 a. m.
10	19.836	18.57	81.4	27.00	82.0	.0108	.8440	19.33.7	B	2 12 „
11	19.973	18.55	81.4	27.01	82.0	.0104	.8441	19.33.8	B	3 12 „
12	20.247	18.61	81.4	27.01	81.9	.0114	.8441	19.33.7	B	4 12 „
13	20.728	18.59	81.4	27.04	81.9	.0111	.8444	19.33.8	R	5 12 „
14	21.699	18.60	81.2	27.14	82.0	.0112	.8455	19.34.3	R	6 12 „
15	22.718	18.65	81.5	27.08	82.0	.0120	.8448	19.33.8	R	7 12 „
16	22.581	18.94	82.0	26.96	82.0	.0168	.8435	19.32.7	R	8 12 „
17	20.728	19.32	82.7	26.89	82.2	.0230	.8427	19.31.6	G M	9 12 „
18	17.984	19.58	83.5	26.77	83.0	.0273	.8414	19.30.5	G M	10 12 „
19	16.680	19.74	84.2	26.79	83.7	.0300	.8416	19.30.2	G M	11 12 „
20	16.337	19.68	84.8	26.79	84.2	.0289	.8416	19.30.3	G M	Noon.
21	16.817	19.48	85.1	26.83	85.0	·0257	.8421	19.30.9	L	1·12 p. m.
22	17.709	19.34	85.6	26.86	85.3	.0234	.8434	19.31.4	L	2 12 „
23	19.081	18.99	85.7	26.92	85.9	.0176	.8431	19.32.4	L	3 12 „
SEPT. 3RD-Noon.	19.630	18.88	85.6	26.84	86.0	.0158	.8422	19.32.2	L	4 12 „
1	19.836	18.73	85.0	26.78	85.9	.0134	.8415	19.32.4	R	5 12 „
2	19.836	18.73	84.2	26.76	85.3	.0134	.8413	19.32.3	R	6 12 „
3	19.013	18.59	83.8	26.80	84.9	.0111	.8418	19.32.8	R	7 12 „
4	19.150	18.55	83.4	26.78	84.3	.0104	.8415	19.32.8	R	8 12 „
5	19.424	18.50	83·0	26.82	84.1	.0096	.8420	19.33.0	B	9 12 „
6	19.287	18.58	83.0	26.81	83.8	.0109	.8419	19.32.8	B	10 12 „
7	19.356	18.61	82.8	26.85	83.6	.0114	.8423	19.33.0	B	11 12 „
8	19.424	18.55	82.4	26.89	83.5	.0104	.8427	19.33.3	B	Midnight.
9	19.356	18.67	82.3	26.90	83.3	.0124	.8429	19.33.0	B	1 12 a. m.
10	19.699	18.60	82.2	26.89	83.1	.0112	.8427	19.33.2	L	2 12 „
11	19.904	18.63	82.0	26.91	82.9	.0117	.8430	19.33.1	L	3 12 „
12	20.247	18.62	81.9	26.94	82.6	.0115	.8433	19.33.2	L	4 12 „
13	20.453	18.67	81.9	26.94	82.8	.0124	.8433	19.33.2	R	5 12 „
14	21.551	18.65	81.8	26.98	82.5	.0120	.8437	19.33.4	R	6 12 „
15	21.895	18.57	82.0	26.99	82.9	.0108	.8438	19.33.6	R	7 12 „
16	21.345	18.89	82.3	26.89	82.9	.0160	.8427	19.32.5	R	8 12 „
17	20.522	19.26	83.0	26.81	83.1	.0221	.8419	19.31.3	B	9 12 „
18	18.738	19.36	83.6	26.74	83.4	.0237	.8411	19.30.8	B	10 12 „
19	16.612	19.50	84.5	26.67	84.0	.0260	.8403	19.30.2	B	11 12 „
20	15.926	19.51	85.1	26.79	84.6	.0262	.8404	19.30.4	B	Noon.
21	16.749	19.25	85.2	26.90	84.9	.0219	.8429	19.31.7	L	1 12 p. m.
22	17.846	19.09	85.3	26.92	85.2	.0193	.8431	19.32.2		2 12 „
23	18.052	19.10	85.3	26.91	85.2	.0194	.8430	19.32.2	L	3 12 „
SEPT. 5TH-Noon.	20.042	19.19	85.8	26.82	86.8	.0209	.8420	19.31.6	R	4 12 „
1	19.836	19·05	85.3	26.79	86.3	.0186	.8416	19.31.6	R	5 12 „
2	19.150	19.04	84.7	26.77	85.5	.0185	.8414	19.31.5	R	6 12 „
3	19.807	18.76	84.0	26.79	85.1	.0139	.8416	19.32.3	R	7 12 „
4	19.081	18.75	83.8	26.80	85.0	.0137	.8418	19.32.4	R	8 12 „
5	19.150	18.79	83.4	26.79	84.5	.0144	.8416	19.32.3	L	9 12 „
6	19.287	18.73	83.3	26.78	84.4	.0134	.8415	19.32.4	L	10 12 „
7	19.356	18.84	83.1	26.83	84.2	.0152	.8421	19.32.3	L	11 12 „
8	19.424	18.81	82.9	26.85	84.0	.0147	.8423	19.32.4	L	Midnight.
9	19.561	18.83	82.7	26.87	83.6	.0150	.8425	19.32.5	B	1 12 a. m.
10	19·767	18.85	82.5	26.88	83.4	.0153	.8426	19.32.5	B	2 12 „
11	19.630	18.87	82.5	26·90	83.3	.0157	.8429	19.32.5	B	3 12 „

On the 2nd, at about 19h. 35m., Dip as obtained by Observation was 19°08′4.
On the 3rd, at about 20h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 5TH TO 7TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 5th—12	19·630	18.88	82°4	26.92	83°2	8.0158	2.8431	19°32′6	B	4 12 a. m.
13	19.836	18.73	82.2	26.93	83.0	.0134	.8432	19.33.0	R	5 12 „
14	20.728	18.83	82.1	26.99	82.9	.0157	.8438	19.32.9	R	6 12 „
15	21.638	18.84	82.3	26.99	83.0	.0152	.8438	19.33.0	R	7 12 „
16	22.101	19.17	83.2	26.91	83.5	.0206	.8430	19.32.0	R	8 12 „
17	20.590	19.49	84.0	26.74	83.9	.0259	.8811	19.30.5	L	9 12 „
18	18.670	19.79	84.8	26.61	84.3	.0308	.8397	19.29.4	L	10 12 „
19	16.680	19.94	85.6	26.45	85.0	.0332	.8379	19.28.3	L	11 12 „
20	16.063	19.97	86.0	26.47	85.6	.0337	.8381	19.28.3	L	Noon.
21	16.680	19.73	86.0	26.55	85.8	.0298	.8390	19.29.3	B	1 12 p. m.
22	17.709	19.54	86.5	26.59	86.4	.0267	.8394	19.29.9	B	2 12 „
23	18.690	19.40	86.3	26.62	86.7	.0244	.8398	19.30.3	B	3 12 „
Sept. 6th—Noon.	19.630	19.33	86.0	26.70	86.7	.0232	.8407	19.30.8	B	4 12 „
1	19.904	19.10	85.3	26.70	86·5	.0194	.8407	19.31.3	R	5 12 „
2	19.287	19.04	84.9	26.76	86.0	.0185	.8413	19.31.5	R	6 12 „
3	18.944	18.91	84.5	26.70	85.4	.0163	.8407	19.31.7	R	7 12 „
4	18.944	18.80	84.1	26.76	85.2	.0145	.8413	19.32.0	R	8 12 „
5	19.287	18.75	84.0	26.75	85.0	.0137	.8412	19.32.1	L	9 12 „
6	19.424	18.76	83.9	26.77	84.9	.0139	.8414	19.32.2	L	10 12 „
7	19.767	18.75	83.6	26.78	84.6	.0137	.8415	19.32.3	L	11 12 „
8	19.699	18.73	83.3	26.78	84.4	.0134	.8415	19.32.4	L	Midnight.
9	19.836	18.77	83.2	26.80	84.0	.0141	.8418	19.32.4	B	1 12 a. m.
10	20.042	18.72	82.7	26.82	83.7	.0132	.8420	19.32.6	B	2 12 „
11	19.973	18.89	82.9	26.81	83.8	.0160	.8419	19.32.1	B	3 12 „
12	19.836	18.89	82.8	26.84	82.7	.0160	.8422	19.32.2	B	4 12 „
13	20.570	18.82	82.7	26.84	82.7	.0148	.8422	19.32.3	R	5 12 „
14	22.305	18.86	82.3	26.90	83.3	.0155	.8429	19.32.5	R	6 12 „
15	23.404	18.90	82.3	26.91	83.5	.0161	.8430	19.32.6	R	7 12 „
16	22.237	19.34	83.0	26.72	83.9	.0234	.8409	19.30.8	R	8 12 „
17	19.767	19.75	83.8	26.47	84.0	.0301	.8381	19.28.8	L	9 12 „
18	16.063	20.12	84.7	26.46	84.6	.0361	.8380	19.28.0	L	10 12 „
19	14.072	20.25	85.5	26·51	85.3	.0383	.8380	19.28.0	L	11 12 „
20	14.347	20.18	85.9	26.67	85.8	.0371	.8403	19.28.8	L	Noon.
21	15.583	20.01	86.4	26.79	86.3	.0344	.8416	19.29.7	B	1 12 p. m.
22	17.092	19.79	86.5	26.85	86.7	.0308	.8423	19.30.4	B	2 12 „
23	18.944	19.50	86.5	26.92	87.3	.0260	.8431	19.30.3	B	3 12 „
Sept. 7th—Noon.	19.973	19.32	86.1	26.88	87.2	.0232	.8426	19.31.5	B	4 12 „
1	20.042	19.22	85.5	26.81	87.0	.0214	.8419	19.31.5	R	5 12 „
2	18.738	19.26	85.0	26.68	86.0	.0221	.8404	19.30.7	R	6 12 „
3	18.538	18.98	84.3	26.75	85.8	.0174	.8412	19.31.7	R	7 12 „
4	18.538	19.03	84.1	26.81	85.2	.0183	.8419	19.31.9	R	8 12 „
5	18.738	19.19	84.0	26.80	85.0	.0209	.8418	19.31.5	L	9 12 „
6	18.738	19.17	84·0	26.83	85.0	.0206	.8421	19.31.6	L	10 12 „
7	19.081	19.24	84.0	26.83	84.9	.0218	.8421	19.31.4	L	11 12 „
8	19.150	19.06	83.5	26.83	84.4	.0188	.8421	19.31.8	L	Midnight.
9	19.287	19.08	82.7	26·84	83.7	.0191	.8422	19.31.8	B	1 12 a. m.
10	19.150	18.96	82.7	26.88	83.7	.0171	.8426	19.32.4	B	2 12 „
11	19.836	18.66	82.8	26.87	83.6	.0122	.8425	19.32.9	B	3 12 „
12	19.836	18.74	82.6	26.90	83.6	.0136	.8429	19.32.8	B	4 12 „
13	19.767	18.67	82.4	26.91	83.7	.0124	.8430	19.33.1	R	5 12 „
14	20.728	18.56	82.5	27.00	83.3	.0106	.8440	19.33.7	R	6 12 „
15	22.854	18.30	82.9	26.95	83.3	.0063	.8434	19.33.5	R	7 12 „
16	22.374	18.66	82.3	26.97	83.0	.0122	.8436	19.33.4	R	8 12 „
17	21.345	18.94	83.0	26.73	83.1	.0168	.8410	19.31.7	L	9 12 „
18	19.836	19.25	84.4	26.68	84.2	.0219	.8404	19.30.7	L	10 12 „
19	18.464	19.38	85.3	26.67	84.9	.0240	.8403	19.30.5	L	11 12 „
20	17·641	19.48	85.9	26.64	85.4	.0257	.8400	19.30.1	L	Noon.
21	18.189	19.08	85.7	26.77	85.3	.0191	.8414	19.31.5	B	1 12 p. m.
22	19.287	18.69	86.2	26.82	86.2	.0127	.8420	19.32.6	B	2 12 „
23	20.179	18.57	86.0	26.78	86.5	.0108	.8415	19.32.7	B	3 12 „

On the 6th, at about 19h., Dip as obtained by Observation was 19°00′0.

DAILY OBSERVATIONS FROM 8TH TO 10TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 8th-Noon.	20·796	18.34	84·7	26.82	85·6	8.0070	2.8420	19°32′9	B	4 12 p. m.
1	20.728	18.37	84.2	26.78	85.9	.0095	.8415	19.32.6	R	5 12 „
2	20.110	18.37	83·8	26.76	85.3	.0095	.8413	19.32.5	R	6 12 „
3	19·218	18·33	83.4	26.80	85.0	.0068	.8418	19.32.8	R	7 12 „
4	19.424	18.28	83.0	26.78	84.2	.0060	.8415	19.32.8	R	8 12 „
5	19.218	18.29	83.0	26.82	83.9	.0062	.8420	19.33.0	L	9 12 „
6	19.356	18.42	82.7	26.83	83.7	.0083	.8421	19.32.8	L	10 12 „
7	19.561	18.41	82.3	26.85	83.6	.0082	.8423	19.32.9	L	11 12 „
8	19·218	18.55	82·3	26.86	83.5	.0104	.8424	19.33 1	L	Midnight.
9	19.904	18.54	82.5	26.86	83.5	.0103	.8424	19.33.1	B	1 12 a. m.
10	19·767	18.64	82.5	26.88	83.5	.0119	.8426	19.32.9	B	2 12 „
11	20.590	18.55	82.3	26.91	83.5	.0104	.8430	19.33.4	B	3 12 „
12	20.247	18·64	82.1	26.88	83.4	.0119	.8426	19.32.9	B	4 12 „
13	20.453	19.03	83.0	26.90	83.3	.0183	.8429	19.32.3	R	5 12 „
14	21.758	18.91	82.0	26.91	83.0	.0163	.8430	19.32.6	R	6 12 „
15	21.071	18.89	82.1	26.89	83.0	.0160	.8427	19.32.5	R	7 12 „
16	19.767	19.11	82.6	26.80	83.3	.0196	.8418	19.31.6	R	8 12 „
17	19.013	19.45	83.2	26.76	83.4	.0252	.8418	19.30.7	L	9 12 „
18	18.395	19.42	84.2	26.70	84.0	.0247	.8407	19.30.5	L	10 12 „
19	17.709	19.29	84.5	26.75	84.3	.0226	.8412	19.30.9	L	11 12 „
20	17.160	19.31	85.0	26.65	85.0	.0229	.8401	19.30.5	L	Noon.
21	17.572	19.21	85.5	26.72	85.5	.0213	.8409	19.31.1	B	1 12 p. m.
22	17.846	19.26	85.9	26.73	86.0	.0221	.8410	19.31.0	B	2 12 „
23	18.807	18.82	85.7	26.69	86.4	.0148	.8405	19.31.7	B	3 12 „
Sept. 9th-Noon.	19.973	18.56	85.7	26.72	86.5	.0106	.8409	19.32.4	B	4 12 „
1	19.630	18.50	85.0	26.80	86.5	·0096	.8418	19.32·9	R	5 12 „
2	19.836	18.36	84.2	26.88	86·0	.0073	.8426	19.33.1	R	6 12 „
3	19.561	18.43	84.0	26.86	85.2	.0085	.8424	19.32.7	R	7 12 „
4	18.738	18.54	83·9	26.65	85.0	.0103	·8401	19.32.2	R	8 12 „
5	18.738	18.57	83.7	26.66	84.8	.0108	.8402	19.32.1	L	9 12 „
6	19.160	18.51	83.5	26.66	84.6	.0098	.8402	19.32.2	L	10 12 „
7	19.356	18.53	83.3	26.65	84.4	.0101	.8401	19.32.2	L	11 12 „
8	19.630	18.53	83.2	26.68	84.3	.0101	.8404	19.32.3	L	Midnight.
9	19·973	18.57	83.1	26.72	84.2	.0108	.8409	19.32.4	B	1 12 a. m.
10	20.247	18.52	83.0	26.72	84.2	.0099	.8409	19.32.5	B	2 12 „
11	20.247	18.47	82.9	26.71	84.1	.0092	.8408	19.32.1	B	3 12 „
12	20.316	18.50	82.8	26.74	83.7	.0096	.8411	19.32.6	B	4 12 „
13	20.570	18.50	82·9	26.81	83.7	.0096	.8419	19.32.6	R	5 12 „
14	21.551	18.58	82.8	26.76	83.5	.0109	.8413	19.32.6	R	6 12 „
15	23.130	18.63	82.8	26.80	83.9	.0117	.8418	19.32.6	R	7 12 „
16	23.884	18.87	82.9	26.77	83.9	.0157	.8414	19.31·9	R	8 12 „
17	21.415	19.29	83.1	26.69	83.6	.0226	.8405	19.30.7	L	9 12 „
18	19.904	19.63	83.5	26.69	83.8	.0281	.8405	19.30.1	L	10 12 „
19	18.875	19.57	83.4	26.81	83.8	.0273	.8419	19.30.7	L	11 12 „
20	17.846	19.51	83.5	26.76	83.7	.0262	.8413	19.30.6	L	Noon.
21	18.464	19.35	83.6	26.78	83.8	.0235	.8415	19.31.0	B	1 12 p. m.
22	19.218	19.15	83.5	26.85	83·8	.0202	.8423	19.31.8	B	2 12 „
23	20.522	18.90	83.5	26.89	84.0	.0161	.8427	19.32.5	B	3 12 „
Sept. 10th-Noon.	21.415	18.47	83.3	26.98	83.9	.0095	.8437	19.33.7	B	4 12 „
1	21.822	18.50	82.9	26.98	84.0	.0096	.8437	19.33.7	R	5 12 „
2	19.699	18.50	82·6	26.95	83.5	.0096	.8434	19.33.5	R	6 12 „
3	19.443	18.32	81.4	26.93	82.8	.0066	.8432	19.33.3	R	7 12 „
4	19.561	18.40	81.0	27.06	82.5	.0080	.8446	19.33.8	R	8 12 „
5	19.150	18.54	80.9	27.09	82.3	.0103	.8449	19.34.1	L	9 12 „
6	19.424	18.65	81.1	27.15	82.3	.0120	.8456	19.34.1	L	10 12 „
7	19.561	18·66	81.1	27.16	82.1	.0122	.8457	19.34.2	L	11 12 „
8	19.287	18.67	80.9	27.19	82.0	.0124	.8460	19.34.2	L	Midnight.
9	19.767	18.62	80.5	27.20	81·6	.0116	.8467	19.34.5	B	1 12 a. m.
10	19.836	18.61	80.2	26.94	81.4	.0112	.8433	19.33.4	B	2 12 „
11	20.042	18.50	79.4	26.94	80.6	·0106	.8433	19.33.4	B	3 12 „

On the 9th, at about 19h. 30m., Dip as obtained by Observation was 18°59′0.

DAILY OBSERVATIONS FROM 10TH TO 13TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 10th—12	20'110	18.60	79°5	27.02	80°6	8.0112	2.8442	19°33'7	B	4 12 a. m.
13	20.042	18.63	79.9	27.07	80.7	.0117	.8447	19.33.8	R	5 12 „
14	21.276	18.63	80.0	27.18	81.0	.0117	.8459	19.34.2	R	6 12 „
15	22.305	18.76	80.2	27.23	81.0	.0139	.8465	19.34.2	R	7 12 „
16	22.101	18.91	80.2	27.25	81.0	.0163	.8467	19.34.0	R	8 12 „
17	21.415	18.91	80.1	27.21	80.6	.0163	.8463	19.33.8	L	9 12 „
18	20.316	19.36	80.0	27.21	80.2	.0237	.8462	19.32.7	L	10 12 „
19	19.013	19.25	80.1	27.21	80.4	.0219	.8462	19.32.9	L	11 12 „
20	18.121	19.15	79.9	27.17	80.2	.0202	.8458	19.33.2	L	Noon.
21	19.218	18.95	79.9	27.19	80.2	.0169	.8450	19.33.3	B	1 12 p. m.
22	20.179	18.68	79.8	27.21	80.2	.0125	.8453	19.33.9	B	2 12 „
23	20.776	18.59	79.5	27.48	80.1	.0111	.8482	19.35.2	B	3 12 „
Sept. 12th-Noon.	20.042	18.37	79.9	27.45	80.2	.0075	.8489	19 35.4	R	4 12 „
1	20.590	17.69	79·0	27.44	80.0	7.9963	.8488	19.37.0	R	5 12 „
2	20.247	17.72	78·7	27.37	79.1	.9968	.8480	19.36.6	R	6 12 „
3	20.110	18.02	79.1	27.43	79.5	8.0017	.8487	19.36.1	R	7 12 „
4	19.699	17.99	78.9	27.43	79.3	.0012	.8487	19.36.3	R	8 12 „
5	19.630	17.98	78.5	27.43	79.3	.0010	.8487	19.36.3	L	9 12 „
6	19.973	18.14	78·6	27.46	79.3	.0037	.8490	19.36.0	L	10 12 „
7	19.561	18.61	78·8	27.42	79.3	.0114	.8486	19.35.5	L	11 12 „
8	19.836	18.19	78.8	27.42	79.4	.0045	.8486	19.35·6	L	Midnight.
9	19.356	18.21	78.8	27.43	79.4	.0049	.8487	19.35.7	B	1 12 a. m.
10	19.150	18.33	78.8	27.37	79.4	.0068	.8480	19.35.2	B	2 12 „
11	19.287	18.25	78.7	27.38	79.4	.0055	.8481	19.35.3	B	3 12 „
12	18.258	18.41	78.4	27.37	79.3	.0082	.8480	19.35.1	B	4 12 „
13	19.013	18.60	78.8	27·34	79.3	.0112	.8477	19.35.1	R	5 12 „
14	20.659	18.38	78.7	27.42	79.2	.0076	.8486	19.35.4	R	6 12 „
15	21.551	18.25	78.5	27.48	79.4	.0055	.8492	19.35.7	R	7 12 „
16	21.758	18.47	78.9	27.48	79.2	.0092	.8492	19.35.3	R	8 12 „
17	20.659	18.93	79.0	27.48	79.2	.0166	.8492	19.34.8	L	9 12 „
18	18.670	19.57	79.2	27.38	79.3	.0272	.8481	19.33.1	L	10 12 „
19	16.337	19.74	79·0	27.33	79.1	.0300	.8476	19.32.5	L	11 12 „
20	15.107	19.82	79·5	27.35	79.5	.0312	.8878	19 32.5	L	Noon.
21	14.848	19.40	79.6	27.34	79.6	.0234	.8477	19.33.5	B	1 12 p. m.
22	15.651	19.04	79.8	27.35	79.7	.0185	.8478	19.33.0	B	2 12 „
23	17.298	18.77	79.4	27.37	79.6	.0141	.8480	19.34.8	B	3 12 „
Sept. 13th-Noon.	18.601	18.47	79.1	27.34	79.6	.0092	.8477	19.36.0	B	4 12 „
1	19.287	18.14	79.1	27.35	80.0	.0037	.8478	19.35.5	R	5 12 „
2	18.875	18.24	79.2	27.32	80.0	.0054	.8475	19.35.4	R	6 12 „
3	19.356	18.41	79.3	27.35	80.0	.0082	.8478	19.35.0	R	7 12 „
4	18.944	18.43	79.3	27.38	80.0	.0085	.8481	19.34.9	R	8 12 „
5	18.944	18·44	79.5	27.42	79.9	.0087	.8486	19.35.1	L	9 12 „
6	18.875	18.46	79.4	27.37	79.7	.0090	.8480	19.34.9	L	10 12 „
7	19.013	18.40	79.4	27.39	79.8	.0080	.8482	19.35.1	L	11 12 „
8	19.287	18.39	79.5	27.39	79.8	.0078	.8482.	19.35.1	L	Midnight.
9	19.424	18.18	79.3	27.34	79.6	.0043	.8477	19.35.5	B	1 12 a. m.
10	19.767	18.31	78.7	27.34	79.5	.0065	.8477	19.35.1	B	2 12 „
11	19.493	18.35	78.7	27.34	79.5	.0071	.8477	19.35.1	B	3 12 „
12	19.287	18.46	78.7	27.34	79.5	.0090	.8477	19.34.8	B	4 12 „
13	19.356	18.60	79.1	27.34	79.5	.0112	.8477	19.35.1	R	5 12 „
14	20.728	18.44	79.2	27.34	79.5	.0087	.8477	19.34.8	R	6 12 „
15	22.718	18.92	79.6	27.38	79.9	.0164	.8481	19.34.5	R	7 12 „
16	22.032	19.55	79.7	27.35	80.0	.0268	.8478	19.33 1	R	8 12 „
17	21.071	19.49	79.4	27.23	79.3	.0259	.8466	19.32.6	L	9 12 „
18	19.150	20.01	81.1	27·24	80.1	.0344	.8466	19.31.6	L	10 12 „
19	16.955	20.20	82.0	27.17	81.0	.0375	.8458	19.30.9	L	11 12 „
20	15.445	20.12	83.0	27·12	81.9	.0361	.8453	19.30.9	L	Noon.
21	15.583	19·80	83.2	27.08	82.5	.0309	.8448	19.31.4	B	1 12 p. m.
22	16.200	19.86	83.7	27·04	83.0	.0319	.8444	19.31.0	B	2 12 „
23	17.160	19.63	83.5	27.04	83.1	.0281	.8444	19.31.6	B	3 12 „

On the 13th, at about 19h., Dip as obtained by Observation was 18°58'8.

DAILY OBSERVATIONS FROM 14TH TO 16TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 14th-Noon.	17·715	19.27	82·7	27.04	82·9	8.0223	2.8444	19°32′3	B	4 12 p. m.
1	18.738	18.79	82.2	27.58	82.7	.0144	.8483	19.34.9	R	5 12 „
2	18.807	18.56	82.0	27.57	82.3	.0106	.8482	19.35.2	R	6 12 „
3	18.875	18.48	81.8	27.58	82.1	.0093	.8483	19.35.0	R	7 12 „
4	19.356	18.49	81.2	27·66	82.0	.0095	.8502	19.36.1	R	8 12 „
5	19.218	18.50	81.1	27.33	81.8	.0096	.8476	19.35.2	L	9 12 „
6	19.424	18.46	81.0	27.40	81.7	.0090	.8484	19.35.0	L	10 12 „
7	19.493	18.43	80.5	27·42	81.2	.0085	.8486	19.35.1	L	11 12 „
8	19.356	18.50	80.5	27.48	81.2	.0096	.8492	19.35.7	L	Midnight.
9	19.493	18.42	80.3	27.50	81.2	.0083	.8495	19.35.7	B	1 12 a. m.
10	19.493	18.59	80.3	27.53	81.1	.0111	.8498	19.35.9	B	2 12 „
11	19·561	18.64	80.3	27.53	81.0	.0119	.8498	19·35.7	B	3 12 „
12	19.493	18.70	80.2	27.53	81.0	.0129	.8493	19.35.4	B	4 12 „
13	19.561	18.76	80·2	27.48	81.0	.0139	.8492	19.35.2	R	5 12 „
14	20.385	18.81	80.2	27.57	81.0	.0147	.8502	19.35.4	R	6 12 „
15	21.826	18.91	80.4	27.63	81.0	.0163	.8509	19.35.6	R	7 12 „
16	21.688	19.30	81.0	27.61	81.1	.0227	.8507	19.34.7	R	8 12 „
17	20.796	19.77	81.9	27.54	81.7	·0305	.8499	19.33.3	L	9 12 „
18	19.973	19.40	80·4	27.52	80.7	.0244	.8497	19.34.2	L	10 12 „
19	17.984	19.69	81.5	27.46	81.2	.0291	.8490	19.33.2	L	11 12 „
20	16.817	19.75	82.6	27.48	82.0	.0301	.8492	19.33.1	L	Noon.
21	16.200	19.55	83.5	27.35	82.7	.0268	.8478	19.33.0	B	1 12 p. m.
22	17.160	19.24	83.7	27·40	83.1	.0218	.8484	19.33.8	B	2 12 „
23	17.709	18.95	83·2	27.41	83.1	.0169	.8485	19.34.6	B	3 12 „
Sept. 15th-Noon.	18.532	18·68	82.8	27.49	83.0	.0125	.8494	19.35.4	B	4 12 „
1	18.875	18.52	82.2	27.49	83.0	·0099	.8494	19.35.8	R	5 12 „
2	19·356	18.32	81.9	27.53	82.8	.0067	.8498	19.35.9	R	6 12 „
3	18.875	18.50	81.5	27.51	82.1	.0096	.8496	19.35.9	R	7 12 „
4	19.081	18.53	81.2	27.48	82.0	.0101	.8492	19.35.7	R	8 12 „
5	19.081	18.55	81.2	27.44	82.0	.0104	.8488	19.35.6	L	9 12 „
6	19.150	18.52	81.1	27.51	81.9	.0099	.8496	19.35.9	L	10 12 „
7	19.424	18.48	81.0	27·49	81.8	.0093	.8493	19.35.4	L	11 12 „
8	19·424	18.63	81.0	27.49	81.7	.0117	.8493	19.35.5	L	Midnight.
9	19.424	18.67	80.8	27.50	81.6	.0124	.8495	19.35.6	B	1 12 a. m.
10	19.424	18.53	80.8	27·50	81.6	.0101	.8495	19.35.9	B	2 12 „
11	19.424	18.58	80.7	27.50	81.5	.0109	.8495	19.35.8	B	3 12 „
12	19.424	18.59	80.7	27.50	81·5	.0111	.8495	19.35.8	B	4 12 „
13	19·856	18.62	80.7	27.44	81·3	.0115	.8488	19.35.3	R	5 12 „
14	20.865	18.67	80.7	27.49	81.3	.0124	.8493	19.35.5	R	6 12 „
15	22.101	18.64	80.8	27.52	81.3	.0119	.8497	19.35.7	R	7 12 „
16	22.032	18.82	81.0	27.45	81.5	.0148	.8489	19.34.9	R	8 12 „
17	20.316	19.30	81.7	27.30	81.7	.0227	.8473	19.33.3	L	9 12 „
18	18.189	19.71	82.4	27.21	82.3	.0295	.8463	19.32.0	L	10 12 „
19	16.406	19.88	83.4	27.02	83.3	.0322	.8442	19.30.9	L	11 12 „
20	15.926	19.81	84.2	26.92	84.0	.0311	.8431	19.30.7	L	Noon.
21	15.788	19.58	84.4	26.90	84.1	.0273	.8429	19.31.1	B	1 12 p. m.
22	16·612	19.37	84.5	26.94	84.6	.0239	.8433	19.31.7	B	2 12 „
23	18.258	19.18	84.6	26.93	85.0	.0207	.8432	19.32.0	B	3 12 „
Sept. 16th-Noon.	19·218	19.00	84·5	26.95	85.0	.0178	.8434	19.32.5	B	4 12 „
1	19.081	19.02	84.0	26.95	84.9	.0181	.8434	19.32.5	R	5 12 „
2	18.738	18.75	83.2	26.95	84.0	.0137	·8434	19.33.0	R	6 12 „
3	18.875	18.75	82.9	26.95	83.3	.0137	.8434	19.33.0	R	7 12 „
4	18.807	18.67	82.2	26.99	83.0	.0124	.8438	19·33.4	R	8 12 „
5	19.013	18.67	82.2	27.01	83.0	.0124	.8441	19.33.5	L	9 12 „
6	19.013	18.64	82.0	27.03	82.8	.0119	.8443	19.33.6	L	10 12 „
7	19.356	18.68	82.0	27.08	82.5	.0125	.8448	19.33.7	L	11 12 „
8	19.561	18.63	81.9	27.12	82.4	.0117	.8453	19.34.0	L	Midnight.
9	19.699	18.68	81.8	27.22	82.4	.0125	.8464	19.34.2	B	1 12 a. m.
10	19.630	18·64	81.6	27.22	82.3	.0119	.8464	19.34.3	B	2 12 „
11	19.561	18.66	81·3	27.22	82.1	.0122	.8464	19.34·3	B	3 12 „

DAILY OBSERVATIONS FROM 16TH TO 19TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 16th—12	19°767	18.61	81°1	27.26	81°9	8.0114	2.8468	19°34'7	B	4 12 p.m.
13	19.699	18.62	81.0	27.26	81.9	.0115	.8468	19.34.5	R	5 12 „
14	20.659	18.71	81.0	27.25	81.7	.0131	.8467	19.34.3	R	6 12 „
15	21.415	18.79	81.1	27.28	81.9	.0144	.8470	19.34.4	R	7 12 „
16	21.415	19.16	81.9	27.26	82.0	.0204	.8468	19.33.5	R	8 12 „
17	20.042	19.70	82.4	27.12	82.2	.0293	.8453	19.31.8	L	9 12 „
18	18.875	19.96	83.3	26.90	82.8	.0335	.8429	19.30.2	L	10 12 „
19	16.955	20.01	84.0	26.78	83.3	.0344	.8415	19.29.7	L	11 12 „
20	16.063	19.95	84.5	26.72	84.0	.0333	.8409	19.29.5	L	Noon.
21	16.680	19.75	85.0	26.73	84.4	.0301	.8410	19.30.0	B	1 12 p.m.
22	17.846	19.51	85.0	26.79	84.8	.0262	.8416	19.30.8	B	2 12 „
23	19.561	19.35	85.0	26.94	85.0	.0235	.8433	19.31.7	B	3 12 „
Sept. 17th—Noon.	20.385	19.18	84.6	26.85	84.9	.0207	.8423	19.31.7	B	4 12 „
1	19.836	19.10	83.9	26.74	84.6	.0194	.8411	19.31.4	R	5 12 „
2	19.013	19.06	83.3	26.71	83.5	.0188	.8408	19.31.3	R	6 12 „
3	19.150	18.81	83.0	26.79	83.1	.0147	.8416	19.32.1	R	7 12 „
4	19.150	18.73	82.8	26.84	83.0	.0134	.8422	19.32.6	R	8 12 „
5	19.013	18.72	82.4	26.88	82.8	.0132	.8426	19.32.8	L	9 12 „
6	19.150	18.60	81.8	26.93	81.8	.0112	.8432	19.33.3	L	10 12 „
7	19.081	18.75	81.4	27.02	81.4	.0137	.8442	19.33.3	L	11 12 „
8	19.561	18.54	81.5	27.05	81.6	.0103	.8445	19.34.0	L	Midnight.
9	19.699	18.51	81.3	27.05	81.5	.0098	.8445	19.34.0	B	1 12 a.m.
10	19.424	18.69	81.3	27.05	81.5	.0127	.8445	19.33.6	B	2 12 „
11	19.493	18.66	81.1	27.05	81.4	.0122	.8445	19.33.7	B	3 12 „
12	19.630	18.68	81.0	27.04	81.3	.0125	.8444	19.33.5	B	4 12 „
13	19.767	18.76	81.0	26.99	81.3	.0139	.8438	19.33.2	R	5 12 „
14	20.728	18.78	81.0	27.14	81.2	.0142	.8455	19.33.9	R	6 12 „
15	21.415	18.76	81.1	27.19	81.4	.0139	.8460	19.34.0	R	7 12 „
16	22.101	18.89	81.7	27.20	81.5	.0160	.8451	19.33.4	R	8 12 „
17	20.385	19.30	82.3	27.01	82.0	.0227	.8441	19.32.1	L	9 12 „
18	18.395	19.61	82.8	26.84	82.0	.0278	.8422	19.30.7	L	10 12 „
19	17.023	19.70	82.6	26.81	82.0	.0293	.8419	19.30.4	L	11 12 „
20	16.543	19.73	83.0	26.94	82.0	.0298	.8433	19.30.9	L	Noon.
21	17.023	19.69	83.9	26.91	82.9	.0291	.8430	19.31.9	B	1 12 p.m.
22	18.738	19.54	84.5	26.86	83.7	.0267	.8424	19.30.9	B	2 12 „
23	20.247	19.21	83.5	26.82	83.3	.0213	.8420	19.31.6	B	3 12 „
Sept. 19th—Noon.	21.415	17.94	81.0	27.41	81.9	.0004	.8485	19.36.3	R	4 12 „
1	20.728	17.72	80.8	27.29	81.3	7.9968	.8471	19.36.2	R	5 12 „
2	19.287	17.76	80.3	27.24	81.2	.9975	.8466	19.36.0	R	6 12 „
3	19.767	17.67	80.5	27.29	81.2	.9960	.8471	19.36.3	R	7 12 „
4	18.670	18.20	80.3	27.29	81.2	8.0047	.8471	19.35.0	R	8 12 „
5	18.670	18.23	80.4	27.26	81.2	.0052	.8468	19.34.9	L	9 12 „
6	19.287	18.19	80.3	27.21	81.1	.0045	.8463	19.34.7	L	10 12 „
7	19.424	17.99	80.1	27.21	81.0	.0012	.8463	19.35.3	L	11 12 „
8	19.904	18.06	80.0	27.22	80.8	.0024	.8464	19.35.1	L	Midnight.
9	19.973	18.04	79.7	27.22	80.8	.0021	.8464	19.35.1	B	1 12 a.m.
10	19.973	18.08	79.7	27.27	80.6	.0027	.8469	19.35.2	B	2 12 „
11	19.904	18.18	79.5	27.26	80.4	.0043	.8468	19.35.1	B	3 12 „
12	19.493	18.17	79.4	27.26	80.4	.0042	.8468	19.35.1	B	4 12 „
13	19.836	18.33	79.3	27.30	80.1	.0068	.8473	19.34.9	R	5 12 „
14	20.728	18.16	79.2	27.30	80.0	.0040	.8473	19.35.3	R	6 12 „
15	20.865	18.04	79.4	27.30	80.0	.0021	.8473	19.35.5	R	7 12 „
16	20.522	18.32	80.1	27.27	80.6	.0066	.8469	19.35.7	R	8 12 „
17	20.522	18.47	81.0	27.24	80.7	.0092	.8466	19.34.3	L	9 12 „
18	19.150	18.52	82.0	27.10	81.4	.0099	.8451	19.34.2	L	10 12 „
19	17.298	18.91	82.7	27.01	82.0	.0163	.8441	19.33.0	L	11 12 „
20	17.435	18.86	83.3	27.03	82.7	.0155	.8443	19.33.1	L	Noon.
21	17.435	18.63	83.7	27.02	83.2	.0117	.8442	19.33.5	B	1 12 p.m.
22	17.778	18.25	83.9	26.96	83.6	.0055	.8435	19.33.6	B	2 12 „
23	19.013	17.88	83.6	27.06	83.7	7.9994	.8446	19.35.0	B	3 12 „

On the 16th, at about 19h., Dip as obtained by Observation was 19°01'2.

DAILY OBSERVATIONS FROM 20TH TO 22ND SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 20th-Noon.	19·767	17.45	83°2	27.06	83°6	7.9924	2.8446	19°35′9	B	4 12 p. m.
1	19.699	17.68	82.8	26.86	83.4	.9961	.8424	19.34.5	R	5 12 „
2	18.258	17.94	82.0	26.79	82.9	8.0002	.8416	19.33.7	R	6 12 „
3	18.670	17.73	81.5	26.82	82.2	7.9970	.8420	19.34.3	R	7 12 „
4	19.630	17.34	81.2	26.86	82.0	.9906	.8424	19.35.2	R	8 12 „
5	20.247	18.02	81.0	26.91	82.0	8.0017	.8430	19.33.9	L	9 12 „
6	19.699	17.81	81.0	26.94	81.9	7.9985	.8433	19.34.5	L	10 12 „
7	20.385	17.78	80.8	26.97	81.7	.9978	.8436	19.34.8	L	11 12 „
8	20.590	17.75	80.6	26.97	81.5	.9973	.8436	19.34.9	L	Midnight.
9	20.796	17.64	80.4	26.99	81.3	.9955	.8438	19.35.1	B	1 12 a. m.
10	21.276	17.70	80.2	26.99	81.2	.9965	.8438	19.35.0	B	2 12 „
11	21.139	17.84	80.1	26.98	81.1	.9988	.8437	19.34.7	B	3 12 „
12	20.728	18.04	80.0	27.03	80.9	8.0021	.8443	19.34.4	B	4 12 „
13	20.590	18.20	80.0	27.03	80.9	.0047	.8443	19.34.0	R	5 12 „
14	21.688	18.16	80.0	27.22	80.7	.0040	.8464	19.34.9	R	6 12 „
15	21.826	17.90	80.0	27.18	80.9	7.9997	.8459	19.35.3	R	7 12 „
16	21.758	18.07	80.7	27.13	81.0	8.0026	.8454	19.34.7	R	8 12 „
17	20.042	18.28	81.4	26.94	81.2	.0060	.8433	19.33.5	L	9 12 „
18	18.395	18.79	82.6	26.81	82.2	.0144	.8419	19.32.4	L	10 12 „
19	17.023	18.84	83.4	26.73	82.7	.0152	.8410	19.31.9	L	11 12 „
20	16.406	18.57	83.9	26.75	83.2	.0108	.8412	19.32.5	L	Noon.
21	16.680	18.78	84.5	26.76	83.6	.0142	.8413	19.32.2	B	1 12 p. m.
22	17.503	18.50	84.0	26.76	83.6	.0096	.8413	19.32.7	B	2 12 „
23	19.216	17.90	82.1	26.95	82.5	7.9997	.8434	19.33.5	B	3 12 „
Sept. 21st-Noon.	20.179	17.58	82.1	27.03	82.5	.9945	.8443	19.35.4	B	4 12 „
1	19.699	17.99	81.8	27.02	82.2	8.0012	.8442	19.34.5	R	5 12 „
2	19.630	17.66	81.0	26.94	82.0	7.9958	.8433	19.34.9	R	6 12 „
3	19.836	17.37	80.9	26.98	81.9	.9911	.8437	19.35.8	R	7 12 „
4	19.904	17.71	80.8	27.01	81.5	.9967	.8441	19.35.1	R	8 12 „
5	19.699	18.28	80.6	26.99	81.3	8.0060	.8438	19.33.7	L	9 12 „
6	19.767	18.00	80.5	27.02	81.2	.0014	.8442	19.34.5	L	10 12 „
7	19.973	17.89	80.3	27.05	81.0	7.9996	.8445	19.34.8	L	11 12 „
8	20.179	17.78	80.2	27.04	80.8	.9978	.8444	19.33.7	L	Midnight.
9	20.179	18.21	80.0	27.06	80.7	8.0049	.8446	19.34.1	B	1 12 a. m.
10	19.699	18.32	80.0	27.07	80.6	.0066	.8447	19.34.0	B	2 12 „
11	20.247	18.24	79.9	27.09	80.5	.0054	.8449	19.34.2	B	3 12 „
12	19.699	18.28	79.9	27.09	80.5	.0060	.8449	19.34.1	B	4 12 „
13	20.042	18.34	79.8	27.03	80.3	.0070	.8443	19.33.8	R	5 12 „
14	20.796	18.07	79.8	27.21	80.2	.0026	.8463	19.35.0	R	6 12 „
15	21.963	17.79	79.9	27.42	80.5	7.9980	.8486	19.36.7	R	7 12 „
16	21.826	17.99	80.4	27.34	80.9	8.0012	.8477	19.35.9	R	8 12 „
17	20.865	18.21	81.0	27.22	80.6	.0049	.8464	19.34.7	L	9 12 „
18	19.150	18.52	82.1	27.09	81.4	.0099	.8449	19.34.1	L	10 12 „
19	17.503	18.70	83.0	27.00	82.0	.0129	.8440	19.33.4	L	11 12 „
20	16.543	18.72	83·6	26.96	82.7	.0132	.8435	19.33.2	L	Noon.
21	16.269	18.70	83.7	27.09	83.1	.0129	.8449	19.33.7	B	1 12 p. m.
22	17.435	18.76	83.8	27.11	83.1	.0139	.8452	19.33.7	B	2 12 „
23	18.121	18.40	83.5	27.20	83.2	.0080	.8462	19.34.3	B	3 12 „
Sept. 22nd-Noon.	18.307	18.47	83.4	27.16	83.5	.0092	.8457	19.34.1	B	4 12 „
1	18.464	18.44	82.8	27.12	83.2	.0088	.8453	19.33.9	N	5 12 „
2	18.670	18.44	82.2	27.19	83.0	.0087	.8460	19.34.1	N	6 12 „
3	18.944	18.24	81.8	27.23	82.7	.0054	.8465	19.34.8	N	7 12 „
4	19.150	18.18	81.5	27.21	82.1	.0043	.8463	19.34.9	N	8 12 „
5	21.139	17.83	81.3	27.26	82.0	7.9986	.8468	19.35.8	L	9 12 „
6	20.728	17.49	81.1	27.26	81.9	.9931	.8468	19.36.6	L	10 12 „
7	20.796	17.62	80.8	27.23	81.5	.9951	.8465	19.36.1	L	11 12 „
8	21.002	17.43	80.7	27.22	81.4	.9921	.8464	19.36.5	L	Midnight.
9	20.110	18.19	80.5	27.22	81.4	8.0045	.8464	19.34.7	B	1 12 a. m.
10	19.630	18.24	80.6	27.22	81.3	.0054	.8464	19.34.7	B	2 12 „
11	20.247	18.11	80.6	27.21	81.2	.0032	.8463	19.35.0	B	3 12 „

On the 20th, at about 19h., Dip as obtained by Observation was 19°00′6.

DAILY OBSERVATIONS FROM 22ND TO 24TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 22nd—12	21·070	17.78	80°6	27.22	81°2	7.9978	2.8464	19°35′8	B	4 12 a.m.
13	20.830	17.93	80.5	27.21	81.0	8.0002	.8463	19.35.4	N	5 12 „
14	21.792	17.74	80.3	27.32	80.8	7.9972	.8475	19.36.4	N	6 12 „
15	22.718	17.62	80.6	27.39	80.7	.9951	.8482	19.36.8	N	7 12 „
16	22.993	17.87	81.0	27.33	81.0	.9993	.8476	19.36.1	N	8 12 „
17	21.482	18.36	82.0	27.10	81.3	8.0073	.8451	19.34.1	L	9 12 „
18	20.590	18.78	83.0	27.02	82.1	.0142	.8442	19.33.3	L	10 12 „
19	18.327	18.94	83.6	26.80	82.6	.0168	.8418	19.32.0	B	11 12 „
20	15.994	19.04	84.3	26.75	83.0	.0185	.8412	19.31.4	L	Noon.
21	16.474	18.82	83.4	26.81	82.7	.0148	.8429	19.32.6	B	1 12 p.m.
22	17.846	18.68	83.4	26.98	82.6	.0125	.8437	19.33.3	B	2 12 „
23	19.699	18.44	83.6	27.02	83.0	.0087	.8442	19.30.4	B	3 12 „
Sept.23rd-Noon.	20.453	18.35	83.3	27.01	83.0	.0071	.8441	19.33.7	B	4 12 „
1	20.247	18.30	82.8	26.93	83.0	.0063	.8432	19.33.4	N	5 12 „
2	19.184	18.23	82.2	26.88	82.6	.0052	.8426	19.33.3	N	6 12 „
3	19.218	18.14	81.7	26.88	82.1	.0037	.8426	19.33.5	N	7 12 „
4	19.287	18.04	81.0	26.93	81.8	.0021	.8432	19.33.9	N	8 12 „
5	19.493	18.04	80.8	26.91	81.4	.0021	.8430	19.33.9	L	9 12 „
6	19.630	18.10	80.7	26.90	81.4	.0030	.8429	19.33.7	L	10 12 „
7	19.767	18.15	80.8	26.91	81.2	.0038	.8430	19.33.7	L	11 12 „
8	19.836	18.14	80.8	26.92	81.2	.0037	.8431	19.33.7	L	Midnight.
9	19.836	18.21	80.9	26.89	81.4	.0049	.8427	19.33.4	B	1 12 a.m.
10	19.630	18.18	80.9	26.89	81.3	.0043	.8427	19.33.6	B	2 12 „
11	19.630	18.34	80.7	26.90	81.2	.0070	.8429	19.33.2	B	3 12 „
12	19.493	18.39	80.5	26.90	81.1	.0078	.8432	19.33.2	B	4 12 „
13	19.836	18.49	80.3	26.93	80.9	.0095	.8432	19.33.4	N	5 12 „
14	20.728	18.58	80.3	26.94	80.8	.0099	.8433	19.33.5	N	6 12 „
15	22.854	18.69	80.3	27.02	80.6	.0127	.8442	19.33.4	N	7 12 „
16	24.021	19.16	80.8	26.96	80.8	.0204	.8435	19.32.3	N	8 12 „
17	23.060	19.25	81.7	26.89	81.3	.0219	.8427	19.31.7	L	9 12 „
18	20.933	19.47	82.9	26.78	82.1	.0256	.8415	19.30.7	L	10 12 „
19	17.984	19.75	83.8	26.64	83.0	.0301	.8400	19.29.6	L	11 12 „
20	16.269	19.75	84.6	26.59	83.7	.0301	.8375	19.28.5	L	Noon.
21	16.337	19.33	85.1	26.58	83.3	.0232	.8373	19.29.4	B	1 12 p.m.
22	17.846	18.66	84.7	26.57	83.9	.0122	.8372	19.30.7	B	2 12 „
23	18.738	18.11	84.8	26.68	84.2	.0032	.8404	19.32.6	B	3 12 „
Sept.24th-Noon.	20.522	17.87	84.3	26.37	84.0	7.9993	.8370	19.32.0	B	4 12 „
1	19.561	17.90	83.8	26.76	83.8	.9997	.8413	19.33.5	N	5 12 „
2	19.287	17.81	83.0	26.81	83.5	.9983	.8419	19.34.1	N	6 12 „
3	19.630	17.57	82.8	26.79	83.1	.9944	.8416	19.34.5	N	7 12 „
4	19.630	17.78	82.6	26.79	83.0	.9978	.8416	19.34.0	N	8 12 „
5	19.218	18.37	82.3	26.80	82.8	8.0075	.8418	19.32.7	L	9 12 „
6	19.836	18.21	82.1	26.82	82.6	.0049	.8420	19.33.1	L	10 12 „
7	20.796	17.90	81.9	26.81	82.4	7.9997	.8421	19.33.8	L	11 12 „
8	20.659	17.95	81.7	26.85	82.3	8.0005	.8423	19.33.8	L	Midnight.
9	20.110	18.32	81.5	26.84	82.1	.0066	.8422	19.32.9	B	1 12 a.m.
10	19.836	18.89	81.3	26.91	82.0	.0160	.8430	19.32.6	B	2 12 „
11	21.071	18.43	81.1	26.91	81.9	.0085	.8430	19.33.0	B	3 12 „
12	20.728	18.38	81.1	26.93	81.9	.0076	.8432	19.33.2	B	4 12 „
13	20.316	18.26	81.0	26.91	81.8	.0057	.8430	19.33.4	C	5 12 „
14	20.865	18.10	81.0	27.03	81.6	.0030	.8443	19.34.3	C	6 12 „
15	22.237	18.31	81.0	27·09	81.4	.0065	.8449	19.34.0	C	7 12 „
16	21.345	18.69	81.5	27.05	81.6	.0127	.8445	19.33.6	C	8 12 „
17	19.081	19.20	82.3	26.98	82.0	.0211	.8437	19.32.3	L	9 12 „
18	17·435	19.34	83.0	26.92	82.5	.0234	.8431	19.31.7	L	10 12 „
19	16.406	19.33	83.7	26.89	83.0	.0232	.8427	19.31.6	L	11 12 „
20	16.474	19.17	83.6	26.96	83.8	.0206	.8435	19.32.2	L	Noon.
21	17.435	18.86	84.1	26.96	83.5	.0145	.8435	19.32.9	B	1 12 p.m.
22	19.081	18.48	84.2	27.06	83.6	.0093	.8446	19.33.6	B	2 12 „
23	19.767	18.36	84.4	27.08	84.2	.0073	.8448	19.34.0	B	3 12 „

On the 23rd, at about 19h., Dip as obtained by Observation was 18°59′7.
On the 24th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 26TH TO 28TH SEPTEMBER 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
SEPT. 26TH-Noon.	20°728	18.53	83°1	26.97	83°9	8.0101	2.8436	19°33′6	C	4 12 p. m.
1	20.453	18.46	82.6	26.94	83.4	.0090	.8433	19.33.1	C	5 12 „
2	19.424	18.37	82.0	26.92	83.0	.0075	.8431	19.33.2	C	6 12 „
3	19.836	18.16	81.8	26.95	82.8	.0040	.8434	19.33.8	C	7 12 „
4	19.630	18.22	81.6	26.97	82.5	.0049	.8436	19.33.7	C	8 12 „
5	19.493	18.19	81.4	26.99	82.3	.0045	.8438	19.33.8	L	9 12 „
6	20.042	18.20	81.2	27.01	82.2	.0047	.8441	19.33.9	L	10 12 „
7	19.767	18.41	81.3	27.01	82.1	.0082	.8441	19.33.7	L	11 12 „
8	19.904	18.36	81.4	27.01	82.1	.0073	.8441	19.33.7	L	Midnight.
9	19.836	18.33	81.2	27.01	82.1	.0068	.8441	19.33.7	B	1 12 a. m.
10	19.904	18.43	81.0	27.01	82.0	.0085	.8441	19.33.4	B	2 12 „
11	19.836	18.57	80.6	27.07	81.6	.0108	.8447	19.34.0	B	3 12 „
12	19.973	18.41	80.6	27.07	81.6	.0082	.8447	19.33.9	B	4 12 „
13	20.247	18.33	80.4	27.07	81.5	.0068	.8447	19.34.0	C	5 12 „
14	20.933	18.33	80.4	27.09	81.3	.0068	.8449	19.34.0	C	6 12 „
15	21.688	18.21	80.5	27.13	81.0	.0049	.8454	19.34.4	C	7 12 „
16	22.101	18.42	81.0	27.03	81.1	.0083	.8443	19.33.7	C	8 12 „
17	20.522	18.82	82.0	27.03	81.8	.0148	.8443	19.33.2	L	9 12 „
18	19.699	19.05	82.9	26.97	82.3	.0186	.8436	19.32.5	L	10 12 „
19	17.366	19.29	83.4	26.98	82.7	.0226	.8437	19.32.0	B	11 12 „
20	15.583	19.43	84.3	26.85	83.3	.0249	.8423	19.31.1	L	Noon.
21	15.857	19.34	85.0	26.85	84.3	.0234	.8423	19.31.4	B	1 12 p. m.
22	17.298	19.17	85.4	26.85	84.9	.0206	.8423	19.31.7	B	2 12 „
23	18.327	19.00	85.3	26.80	84.9	.0178	.8418	19.31.9	B	3 12 „
SEPT. 27TH-Noon.	19.150	18.75	84.3	26.78	84.2	.0137	.8415	19.32.3	B	4 12 „
1	19.630	18.69	83.4	26.84	83.3	.0127	.8422	19.32.6	C	5 12 „
2	19.493	18.64	82.8	26.90	83.0	.0119	.8429	19.33.0	C	6 12 „
3	19.493	18.55	82.8	26.94	82.9	.0104	.8433	19.33.5	C	7 12 „
4	19.630	18.43	82.2	26.95	82.7	.0085	.8434	19.33.1	C	8 12 „
5	19.767	18.27	82.0	26.93	82.5	.0059	.8432	19.33.4	L	9 12 „
6	19.493	18.32	82.0	26.92	82.4	.0066	.8432	19.33.3	L	10 12 „
7	19.836	18.38	81.9	26.95	82.2	.0076	.8434	19.33.3	L	11 12 „
8	19.973	18.42	81.8	26.98	82.1	.0083	.8437	19.33.5	L	Midnight.
9	19.904	18.39	81.7	26.96	82.1	.0078	.8435	19.33.4	B	1 12 a. m.
10	19.836	18.43	81.6	26.96	82.1	.0085	.8435	19.33.2	B	2 12 „
11	19.493	18.49	81.4	27.01	82.1	.0095	.8441	19.33.8	B	3 12 „
12	19.630	18.51	81.4	27.06	82.0	.0098	.8446	19.34.0	B	4 12 „
13	19.904	18.50	81.3	27.06	82.0	.0096	.8446	19.34.0	C	5 12 „
14	20.728	18.50	81.2	27.12	82.0	.0096	.8453	19.34.3	C	6 12 „
15	22.305	18.52	81.3	27.17	81.9	.0099	.8458	19.34.5	C	7 12 „
16	22.305	18.78	81.5	27.12	81.5	.0142	.8453	19.33.8	C	8 12 „
17	20.796	19.16	82.1	27.04	82.0	.0204	.8444	19.32.6	L	9 12 „
18	19.218	19.39	82.0	26.88	82.0	.0242	.8426	19.31.4	L	10 12 „
19	17.366	19.76	83.0	26.89	82.4	.0303	.8427	19.30.7	L	11 12 „
20	15.857	19.71	83.9	26.84	83.0	.0295	.8422	19.30.4	L	Noon.
21	15.994	19.62	84.5	26.91	83.5	.0279	.8430	19.31.1	B	1 12 p. m.
22	17.298	19.44	84.5	26.91	83.7	.0251	.8430	19.31.4	B	2 12 „
23	18.601	19.25	84.4	26.89	83.8	.0219	.8427	19.31.7	B	3 12 „
SEPT. 28TH-Noon.	19.081	19.09	84.1	26.86	83.8	.0193	.8424	19.31.9	B	4 12 „
1	18.944	18.90	83.4	26.86	83.4	.0161	.8424	19.32.3	C	5 12 „
2	18.944	18.83	83.0	26.87	83.1	.0150	.8425	19.32.5	C	6 12 „
3	19.287	18.60	82.6	26.89	83.0	.0112	.8427	19.33.2	C	7 12 „
4	19.356	18.53	82.4	26.91	83.0	.0101	.8430	19.33.4	C	8 12 „
5	19.356	18.53	82.2	26.90	82.8	.0101	.8429	19.33.3	L	9 12 „
6	19.424	18.52	81.8	26.87	82.4	.0099	.8425	19.33.2	L	10 12 „
7	19.836	18.53	81.6	26.95	82.3	.0101	.8434	19.33.5	L	11 12 „
8	19.904	18.51	81.4	26.94	82.1	.0098	.8433	19.33.5	L	Midnight.
9	19.836	18.63	81.3	26.94	82.1	.0117	.8433	19.33.2	B	1 12 a. m.
10	19.836	18.62	81.3	26.96	82.0	.0115	.8435	19.33.3	B	2 12 „
11	19.699	18.61	81.2	26.97	81.9	.0114	.8436	19.33.5	B	3 12 „

On the 27th, at about 19h., Dip as obtained by Observation was 18°59′4.

DAILY OBSERVATIONS FROM 28TH TO 30TH SEPTEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Sept. 28th—12	19°561	18.65	81°1	26.97	81°8	8.0120	2.8436	19°33′3	B	4 12 a. m.
13	19.493	18.66	81.0	26.98	81.8	.0122	.8437	19.33.4	C	5 12 „
14	19.904	18.71	80.9	27.05	81.8	.0131	.8445	19.33.6	C	6 12 „
15	21.551	18.66	81.2	27·07	81.6	.0122	.8447	19.33.8	C	7 12 „
16	22.374	19.17	81.8	27·05	81.7	.0206	.8445	19.32.6	C	8 12 „
17	21.688	19.67	82.7	27.01	82.1	.0288	.8441	19.31.3	L	9 12 „
18	20.453	19.99	83.0	26.98	82.6	.0340	.8437	19.30.6	L	10 12 „
19	18.189	20.19	83.8	26.90	83.3	.0373	.8429	19.29.8	L	11 12 „
20	16.063	20.10	84.4	26.82	84.0	.0342	.8420	19.29.9	L	Noon.
21	15.857	19.83	84.9	26.84	84.6	.0314	.8422	19.30.3	B	1 12 p. m.
22	16.612	19.48	85.3	26.91	85.2	.0257	.8430	19.31.3	B	2 12 „
23	18.395	19.24	85.3	26.92	85.5	.0218	.8431	19.31.8	B	3 12 „
Sept. 29th-Noon.	19.013	19.14	85.0	26.81	85.4	.0201	.8419	19.31.6	B	4 12 „
1	18.670	19.00	84.1	26.74	84.8	.0178	.8411	19.31.6	C	5 12 „
2	18.601	18.89	83.5	26.84	84.5	.0160	.8422	19.32.2	C	6 12 „
3	19.013	18.73	83.0	26.83	84.0	.0134	.8421	19.32.6	C	7 12 „
4	19.287	18.61	82.7	26.89	83.7	.0114	.8427	19.33.2	C	8 12 „
5	19.561	18.42	82.3	26.88	83.3	.0083	.8426	19.33.0	L	9 12 „
6	19.424	18.41	82.1	26.91	83.1	.0082	.8430	19.33.2	L	10 12 „
7	19.561	18.47	82.0	26.93	82.9	.0092	.8432	19.33.0	L	11 12 „
8	19.493	18.59	81.9	27.18	82.7	.0111	.8459	19.34.4	L	Midnight.
9	19.836	18.59	81.7	27.13	82.6	.0111	.8454	19.34.2	B	1 12 a. m.
10	20.110	18.54	81.4	27.23	82.5	.0103	.8465	19.34.7	B	2 12 „
11	19.561	18.58	81.0	28.59	82.2	.0109	.8614	19.40.4	B	3 12 „
12	19.356	18.66	80.8	28.74	82.0	.0122	.8631	19.40.9	B	4 12 „
13	19.218	18.64	80.8	28.86	81.9	.0119	.8644	19.41.4	C	5 12 „
14	20.110	18.64	80.8	29.22	81.8	.0119	.8684	19.42.9	C	6 12 „
15	22.237	18.62	81.3	29.15	81.6	.0115	.8676	19.42.6	C	7 12 „
16	21.276	19.34	81.8	28.96	82.0	.0234	.8655	19.40.5	C	8 12 „
17	19.287	20.24	82.9	28.84	82.6	.0382	.8642	19.38.0	L	9 12 „
18	18.464	20.59	83.3	28.84	83.0	.0439	.8642	19.37.2	L	10 12 „
19	16.817	20.80	83.9	28.85	83.4	.0473	.8643	19.37.9	L	11 12 „
20	15.240	20.53	84.0	28.90	83.9	.0437	.8649	19.37.5	L	Noon.
21	14.897	20.26	84.4	28.99	84.6	.0385	.8658	19.38.5	B	1 12 p. m.
22	16.269	19.80	84.4	29.09	84.9	.0309	.8669	19.39.9	B	2 12 „
23	18.327	19.39	84.5	29.11	85.2	.0242	.8672	19.40.9	B	3 12 „
Sept.30th—Noon.	19.218	19.24	84.1	29.11	85.2	.0218	.8672	19.41.1	B	4 12 „
1	19.013	19.17	83.5	28.99	84.8	.0206	.8658	19.40.9	C	5 12 „
2	18.738	18.99	82.9	28.95	84.0	·0176	.8654	19.41.1	C	6 12 „
3	19.218	18.77	82.5	28.93	83.7	.0141	.8652	19.41.5	C	7 12 „
4	19.424	18.80	82.0	28.94	83.2	.0145	.8653	19.41.4	C	8 12 „
5	19.150	18.65	81.9	28.91	83.0	.0120	.8650	19.41.7	L	9 12 „
6	19.493	18.53	81.7	28.94	82.9	.0101	.8653	19.42.1	L	10 12 „
7	19.493	18.88	81·6	28.93	82.6	.0158	.8652	19.41.2	L	11 12 „
8	20.042	18.62	81.4	28.89	82.4	.0115	.8647	19.41.6	L	Midnight.
9	20.522	18.45	81·0	28.92	82.2	.0088	.8651	19.41.6	B	1 12 a. m.
10	20.659	18.41	81.0	28.88	82.2	.0082	.8646	19.41.6	B	2 12 „
11	20.179	18·57	80.9	28.86	82.0	.0108	.8644	19.41.6	B	3 12 „
12	19.218	18.65	80.9	28.86	81.9	.0120	.8644	19.41.4	B	4 12 „
13	19.287	18.73	80.9	28.86	81.9	.0134	.8644	19.41.3	C	5 12 „
14	19.699	18.78	80.9	28.91	81.8	.0142	.8650	19.41.5	C	6 12 „
15	21.415	18·84	81.1	28.91	81.6	.0152	.8650	19.41.3	C	7 12 „
16	21.963	19·15	81.7	28.86	82.0	·0202	.8644	19.40.4	C	8 12 „
17	20.316	19.60	82.3	28.77	82.4	.0276	.8634	19.39.0	L	9 12 „
18	18.532	19.94	83.5	28.77	83.0	.0332	.8634	19.38.3	L	10 12 „
19	16.955	20.18	83.9	28.82	83.3	.0371	.8640	19.38.1	L	11 12 „
20	16.955	20.03	84.2	28·90	84.0	.0347	.8649	19.38.6	L	Noon.
21	16.817	19.88	84.6	28.96	84.5	.0322	.8655	19.39.3	B	1 12 p. m.
22	17.984	19.45	84·8	29.07	85.0	.0252	.8667	19.40.6	B	2 12 „
23	19.150	19.27	84.7	29.08	85.4	.0223	.8668	19.41.0	B	3 12 „

On the 30th, at about 19h. 15m., Dip as obtained by Observation was 19°05′0.

DAILY OBSERVATIONS FROM 1ST TO 4TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 1st–Noon.	19·493	19.18	84°4	29.02	85°4	8.0207	2.7402	18°51′8	B	4 12 p. m.
1	19.424	18.70	83.7	28.99	85.0	.0129	.7400	18.52.3	C	5 12 ,,
2	19.904	18.30	83.0	28.93	84.2	.0063	.7402	18.53.5	C	6 12 ,,
3	20.247	17.96	82.4	28.91	83.9	.0007	.7390	18.53.8	C	7 12 ,,
4	20.728	17.76	82.1	28.88	83.4	7.9975	.7387	18.54.2	C	8 12 ,,
5	20.659	17.77	82.0	28.84	83.0	.9977	.7382	18.53.9	L	9 12 ,,
6	20.247	17.87	81.8	28.83	82.8	.9993	.7381	18.53.7	L	10 12 ,,
7	20.179	17.95	81.6	28.82	82.7	8.0005	.7380	18.53.4	L	11 12 ,,
8	20.179	18.31	81.1	28.81	82.3	.0065	.7379	18.52.5	L	Midnight.
9	20.179	18.33	80.9	28.81	81.9	.0068	.7379	18.52.5	B	1 12 a. m.
10	19.973	18.30	80.7	28.80	81.8	.0063	.7378	18.52.6	B	2 12 ,,
11	19.356	18.46	80.6	28.80	81.8	.0090	.7378	18.52.2	B	3 12 ,,
12	19.493	18.34	80.5	28.82	81.6	.0070	.7380	18.52.6	B	4 12 ,,
13	19.356	18.30	80.3	28.75	81.5	.0063	.7373	18.52.4	C	5 12 ,,
14	21.276	18.30	80.0	28.80	81.2	.0063	.7378	18.52.6	C	6 12 ,,
15	21.758	18.24	80.2	28.81	81.0	.0054	.7379	18.52.7	C	7 12 ,,
16	22.305	18.64	81.0	28.77	81.2	.0119	.7375	18.51.9	C	8 12 ,,
17	21.002	19.04	81.9	40.07	82.4	.0185	.7482	18.55.1	L	9 12 ,,
18	20.042	19.37	82.9	44.93	82.8	.0239	.7577	18.58.3	L	10 12 ,,
19	19.218	19.56	83.9	44.97	83.6	.0270	.7581	18.58.0	L	11 12 ,,
20	18.395	19.59	84.3	44.77	84.0	.0275	.7559	18.57.1	L	Noon
21	17.984	19.52	84.7	44.98	84.6	.0263	.7582	18.58.1	B	1 12 p. m.
22	18.738	19.35	85.0	45.11	85.2	.0235	.7597	18.59.1	B	2 12 ,,
23	19.150	19.07	85.1	45.40	85.4	.0190	.7596	18.59.6	B	3 12 ,,
Oct. 3rd–Noon.	20.590	18.21	85.9	45.22	86.5	.0049	.7609	19.01.6	B	4 12 ,,
1	19.561	18.40	85.5	45.18	86.0	.0080	.7604	19.01.1	B	5 12 ,,
2	20.042	18.17	84.9	45.42	85.8	.0042	.7631	19.02.7	L	6 12 ,,
3	20.385	18.10	84.7	45.52	85.6	.0030	.7642	19.03.2	L	7 12 ,,
4	19.699	18.32	84.5	45.51	85.4	.0066	.7641	19.02.7	L	8 12 ,,
5	20.042	18.13	84.3	45.67	85.1	.0035	.7658	19.03.8	C	9 12 ,,
6	20.042	18.39	84.3	45.76	85.0	.0076	.7668	19.03.6	C	10 12 ,,
7	20.042	18.19	84.1	45.75	85.0	.0045	.7667	19.03.9	C	11 12 ,,
8	19.836	18.65	84.1	45.82	85.0	.0120	.7675	19.03.6	C	Midnight.
9	19.904	18.45	84.2	45.82	84.9	.0088	.7675	19.03.7	B	1 12 a.m.
10	19.630	18.37	83.9	45.81	84.8	.0075	.7674	19.02.9	B	2 12 ,,
11	19.424	18.40	83.8	45.89	84.5	.0080	.7682	19.04.1	B	3 12 ,,
12	19.493	18.35	83.4	45.97	84.3	.0071	.7691	19.04.6	B	4 12 ,,
13	19.561	18.41	83.3	46.06	84.1	.0082	.7701	19.05.2	L	5 12 ,,
14	20.728	18.37	82.8	46.12	83.9	.0075	.7708	19.05.5	L	6 12 ,,
15	22.101	18.43	82.7	46.11	83.7	.0085	.7707	19.05.3	L	7 12 ,,
16	21.345	18.63	83.3	45.57	83.9	.0117	.7647	19.02.6	L	8 12 ,,
17	19.836	19.20	84.0	45.20	84.2	.0211	.7607	18.59.9	C	9 12 ,,
18	18.601	19.54	85.0	44.96	85.0	.0267	.7580	18.58.0	C	10 12 ,,
19	17.023	19.79	85.8	44.86	85.8	.0308	.7569	18.57.0	C	11 12 ,,
20	15.583	19.74	86.0	44.89	86.0	.0300	.7562	18.56.8	C	Noon.
21	16.131	19.52	86.7	45.25	86.5	.0263	.7612	18.59.3	B	1 12 p. m.
22	17.503	19.36	86.7	45.35	86.9	.0237	.7623	19.00.1	B	2 12 ,,
23	18.464	19.15	86.7	45.30	87.3	.0202	.7618	19 00.4	B	3 12 ,,
Oct. 4th–Noon.	19.013	18.99	86.6	45.27	87.2	.0176	.7614	19.00.5	B	4 12 ,,
1	18.944	18.78	85.9	45.08	86.7	.0142	.7593	19.00.2	L	5 12 ,,
2	19.356	18.52	85.3	45.44	86.4	.0099	.7633	19.02.3	L	6 12 ,,
3	19.630	18.40	85.0	45.46	85.9	.0080	.7635	19.02.4	L	7 12 ,,
4	19.150	18.36	85.0	45.45	85.8	.0073	.7634	19.02.4	L	8 12 ,,
5	19.356	18.40	84.5	45.57	85.4	.0080	.7647	19.02.9	C	9 12 ,,
6	19.356	18.35	84.5	45.75	85.4	.0071	.7667	19.03.7	C	10 12 ,,
7	19.424	18.64	84.2	45.76	85.3	.0119	.7668	19.03.3	C	11 12 ,,
8	19.973	18.43	83.9	45.87	85.0	.0085	.7680	19.03.9	C	Midnight.
9	20.110	18.55	83.9	45.89	84.7	.0104	.7682	19.04.1	B	1 12 a. m.
10	20.042	18.46	83.9	45.89	84.7	.0090	.7682	19.03.9	B	2 12 ,,
11	19.699	18.47	83.9	45.89	84.6	.0092	.7682	19.03.9	B	3 12 ,,

The Vertical Force Magnetometer was newly adjusted on the 1st of October at about 16h. 15m., and the Calculated Values of Intensity made nearly to correspond with the actual Vertical Force found from the Dip and Deflection Observations.

DAILY OBSERVATIONS FROM 4TH TO 6TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 4th—12	19·287	18.67	83·7	45.99	84·6	8.0124	2.7693	19°04·3	B	4 12 a.m.
13	19.424	18.63	83.3	46.01	84.2	.0117	.7696	19.04.5	L	5 12 „
14	20.179	18.55	83.3	46.37	84.3	.0104	.7735	19.06.3	L	6 12 „
15	21.415	18.34	83.3	46.21	84.2	.0070	.7718	19.06.6	L	7 12 „
16	21.619	18.58	83.9	45.85	84.3	.0109	.7678	19.03.9	L	8 12 „
17	20.796	18.98	84.6	45.22	84.9	.0174	.7609	19.00.4	C	9 12 „
18	19.081	19.21	85.5	44.96	85.2	.0213	.7580	18.58.8	C	10 12 „
19	17.846	19.55	85.8	44.86	85.9	.0268	.7569	18.57.5	C	11 12 „
20	16.063	19.66	86.4	44.62	86.1	.0286	.7543	18.56.3	C	Noon.
21	15.994	19.45	86.6	45.02	86.6	.0252	.7587	18.58.5	B	1 12 p.m.
22	17.435	19.21	86.8	45.27	87.2	.0213	.7614	19.00.1	B	2 12 „
23	18.875	19.00	86.9	45.28	87.6	.0178	.7615	19.00.6	B	3 12 „
Oct. 5th-Noon.	17.218	18.90	86.8	44·98	87.5	.0161	.7582	18.59.4	B	4 12 „
1	18.601	18.66	85.3	45.08	86.6	.0122	.7593	19.00.4	L	5 12 „
2	18.632	18.69	84.7	45.38	86.0	.0127	.7626	19.01.6	L	6 12 „
3	18.875	18.49	84.3	45.51	85.7	.0095	.7641	19.02.6	L	7 12 „
4	18.807	18.37	83.9	45.55	84.9	.0075	.7645	19.02.8	L	8 12 „
5	19.218	18.64	83.5	45.58	84.8	.0119	.7650	19.02.7	C	9 12 „
6	19.150	18.45	83.2	45.74	84.6	.0088	.7666	19.03.3	C	10 12 „
7	19.493	18.54	83.2	45.91	84.3	.0103	.7685	19.04·3	C	11 12 „
8	19.904	18.60	83.0	45.97	84.0	.0112	.7691	19.04.4	C	Midnight.
9	19.699	18.63	82.7	45.96	83.7	.0117	.7690	19.04.2	B	1 12 a.m.
10	19.767	18.48	82.3	46.06	83.5	.0093	.7701	19.05.6	B	2 12 „
11	19.699	18.58	82.2	46.12	83.2	.0109	.7708	19.05.1	B	3 12 „
12	19.356	18.60	82.0	46.24	83.1	.0112	.7721	19.05.6	B	4 12 „
13	18.875	18.64	81.9	46.27	83.0	.0119	.7724	19.05.5	L	5 12 „
14	19.767	18.60	81.5	46.56	82.6	.0112	.7756	19.07.0	L	6 12 „
15	21.139	18.65	81.9	46.58	82.7	.0120	.7758	19.06.9	L	7 12 „
16	22.374	18.88	82.4	46.24	83.0	.0158	.7721	19.04.9	L	8 12 „
17	21.071	19.34	83.5	45.40	83.4	.0234	.7629	19.00.4	C	9 12 „
18	18.875	19.72	84.8	45.00	84.3	.0296	.7585	18.57.8	C	10 12 „
19	17.071	19.70	85.5	45.05	85.0	.0293	.7590	18.58.1	C	11 12 „
20	16.817	19.51	86.2	45.17	85.6	.0262	.7603	18.59.0	C	Noon.
21	17.846	19.03	86.9	45.63	86.0	.0183	.7654	19.02.1	B	1 12 p.m.
22	18.944	18.84	87.0	45.65	86.6	.0152	.7656	19.02.5	B	2 12 „
23	19.150	18.68	87.0	45.46	87.0	.0125	.7635	19.02.0	B	3 12 „
Oct. 6th-Noon.	19.081	18.35	86.5	45.41	87.0	.0071	.7630	19.02·3	B	4 12 „
1	19.699	18.48	86.0	45.28	86.6	.0092	.7625	19.01.8	L	5 12 „
2	19.150	18.08	85.0	45.43	86.3	.0027	.7632	19.02.8	L	6 12 „
3	20.316	17.62	84.3	45.66	85.9	7.9951	.7657	19.04.9	L	7 12 „
4	19.973	17.32	84.0	45.62	85.6	.9902	.7653	19.05.4	L	8 12 „
5	19.836	17.56	84.4	45.80	85.5	.9942	.7673	19.05.6	C	9 12 „
6	19.904	17.76	84.3	45.86	85.3	.9975	.7679	19.05.3	C	10 12 „
7	20.042	17.97	83.9	45.80	85.3	8.0009	.7673	19.04.7	C	11 12 „
8	20.110	18.26	83.5	45.89	84.9	.0057	.7682	19.04.3	C	Midnight.
9	19.836	18.28	83.3	45·78	84.4	.0060	.7670	19.03.9	B	1 12 a.m.
10	19.973	18.31	83.2	45.78	84.2	.0065	.7670	19 03.8	B	2 12 „
11	19.561	18.48	82.9	45.92	84.0	.0093	.7686	19.04.1	B	3 12 „
12	19.836	18.45	82.6	45.98	83.7	.0088	.7692	19.04.3	B	4 12 „
13	19.013	18.47	82·2	46.06	83.5	.0092	.7701	19.05.6	L	5 12 „
14	19.081	18.47	81.9	46.24	83.0	.0092	.7721	19.06.4	L	6 12 „
15	19.767	18.17	82.1	46.24	83.0	.0042	.7721	19.07.1	L	7 12 „
16	21.415	18.48	82.9	46.10	83.3	.0093	.7706	19.05.8	L	8 12 „
17	21.415	18.94	83.5	45.71	83.8	.0168	.7663	19.02.5	C	9 12 „
18	20.247	19.33	84.9	44.97	84.4	.0232	.7581	18.58.5	C	10 12 „
19	18.189	19.41	85.6	44.71	84.9	.0247	.7553	18.57.2	C	11 12 „
20	17.503	19.32	86.0	44.93	85.7	.0232	.7577	18.58.4	C	Noon.
21	17.160	19.23	86.4	45.04	86.3	.0216	.7589	18.58.9	B	1 12 p.m.
22	18.395	18.79	87.0	45.26	87.0	.0144	.7613	19.01.0	B	2 12 „
23	19.493	18.50	87.2	45.13	87.5	.0096	.7599	19.00.9	B	3 12 „

On the 4th, at about 19h., Dip as obtained by Observation was 19°02·5.

DAILY OBSERVATIONS FROM 7TH TO 10TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 7th-Noon.	19·424	18.18	86·9	44.88	87·6	8.0043	2.7571	19°00′6	B	4 12 p. m.
1	19.767	18.03	86.1	45.09	87.0	.0017	.7594	19.01.7	L	5 12 „
2	19.836	17.95	85.3	45.27	86.4	.0005	.7614	19.02.4	L	6 12 „
3	19.767	17.79	85.0	45.38	86.0	7.9980	.7626	19.03.3	L	7 12 „
4	19.767	17.85	85.0	45.51	85.8	.9989	.7641	19 03.7	L	8 12 „
5	19.767	17.94	84.6	45.61	85.7	8.0004	.7652	19.04.0	C	9 12 „
6	19.767	18.03	84.1	45.72	85.3	.0019	.7664	19.04.1	C	10 12 „
7	20.110	18.11	83.9	45.85	85.1	.0032	.7678	19.04.6	C	11 12 „
8	19.904	18.41	83.4	45.85	84.9	.0092	.7678	19.03.8	C	Midnight.
9	20.453	18.23	83.0	45·84	84.5	.0052	.7677	19.04.3	B	1 12 a. m.
10	20.110	18.22	82.9	45.98	84.2	.0050	.7692	19.04.8	B	2 12 „
11	19.836	18.34	83.0	46.07	84.0	.0070	.7702	19.05.9	B	3 12 „
12	19.424	18.31	83.3	46.12	83.9	.0065	.7708	19.06.2	B	4 12 „
13	19.218	18.30	82.5	46.14	83.9	.0063	.7710	19.06.4	L	5 12 „
14	19.904	18.27	81.9	46.30	83.2	.0059	.7728	19.07.1	L	6 12 „
15	20.590	18.74	82.0	46.31	83.1	.0136	.7729	19.05.5	L	7 12 „
16	20.590	19.16	83.2	45.93	83.6	.0204	.7677	19.02.7	L	8 12 „
17	20.247	19.58	84.0	45.82	84.1	.0273	.7675	19.01.7	C	9 12 „
18	19.904	19.95	85.0	45.55	85.0	.0333	.7645	18.59.8	C	10 12 „
19	19.493	20.13	85.9	45.27	85.7	.0363	.7614	18.58.1	C	11 12 „
20	18.327	19.90	86.8	45.16	86.1	.0325	.7602	18.58.0	C	Noon.
21	18.327	19.47	87.5	45.31	86.9	·0256	.7619	18.59.5	B	1 12 p. m.
22	19.561	18.96	87.6	45.38	87.4	.0171	.7626	19.01.1	B	2 12 „
23	19.630	18.76	87.5	45.42	87.4	.0139	.7631	19.01.7	B	3 12 „
Oct. 8th-Noon.	19.424	18.61	87.0	45.32	87.4	.0114	.7620	19.01.7	B	4 12 „
1	18.670	18.63	86.4	45.19	87.0	.0117	.7605	19.00.9	L	5 12 „
2	18.875	18.67	85.6	45.49	86.4	.0124	.7638	19.02.2	L	6 12 „
3	19.356	18.55	85.5	45.61	86.2	.0104	.7652	19.03.0	L	7 12 „
4	19.424	18.42	85.3	45.66	86.0	.0083	.7657	19.03.3	L	8 12 „
5	20.796	18.04	84·9	45.78	85.9	.0021	.7670	19.04.4	C	9 12 „
6	20.453	17.76	84.2	45.84	85.6	7.9975	.7677	19.05.3	C	10 12 „
7	20.522	17.88	84.0	46.05	85.2	.9994	.7700	19.05.0	C	11 12 „
8	20.933	17.89	83.6	46.06	85.0	.9996	.7701	19.06.8	C	Midnight.
9	20.590	18.10	83.2	46.08	84.7	8.0030	.7703	19.06.5	B	1 12 a. m.
10	19.699	18.40	83.2	46.10	84.6	.0080	.7706	19.06.0	B	2 12 „
11	19.904	18.58	82.9	46.19	84.5	.0109	.7715	19.05.4	B	3 12 „
12	19.630	18.29	83.0	46.28	84.2	.0062	.7725	19.07.0	B	4 12 „
13	19.356	18.47	82.9	46.25	84.2	.0092	.7722	19.06.4	L	5 12 „
14	19.161	18.68	82.4	46.31	83.8	.0125	.7729	19.05.6	L	6 12 „
15	20.179	18.71	81.9	46.46	83.2	.0131	.7745	19.06.3	L	7 12 „
16	21.071	18.86	83.0	46.39	83.5	.0155	.7737	19.05.6	L	8 12 „
17	21.002	19.31	83.8	45.97	84.0	.0229	.7691	19.02.8	C	9 12 „
18	20.865	19.50	84.9	45.83	84.9	.0260	.7676	19.01.8	C	10 12 „
19	20.179	19.52	86.0	45.54	86.0	.0263	.7644	19.00.6	C	11 12 „
20	19.424	19.67	86.9	45.39	86.9	.0288	.7617	18.59.2	C	Noon.
21	19.081	19.51	88.3	45.37	87.4	.0262	.7625	18.59.9	B	1 12 p. m.
22	18.464	19.14	88.5	45.27	87.7	.0201	.7614	19.00.2	B	2 12 „
23	18.738	18.74	88.1	45.44	87.7	.0136	.7633	19.01.8	B	3 12 „
Oct. 10th-Noon.	19.630	18.57	88.0	45.38	88.7	.0108	.7626	19.01.9	B	4 12 „
1	19.630	18·42	87.2	45.74	88.0	.0083	.7666	19.03.5	B	5 12 „
2	19.081	18.26	85.0	45.89	86.3	.0057	.7672	19.03.9	B	6 12 „
3	19.699	18.22	84.2	26.03	85.5	.0050	.7698	19.05.1	L	7 12 „
4	19.973	18.23	83.4	26.17	84.6	.0052	.7713	19.06.6	L	8 12 „
5	19.081	18.18	83.0	26.37	84.0	.0043	.7735	19.07.7	C	9 12 „
6	20.110	18.20	83.0	26.49	84.0	.0047	.7748	19.08.0	C	10 12 „
7	19.836	18.41	82.9	26.36	84.0	.0082	.7734	19.07.1	C	11 12 „
8	19.973	18.43	83.0	26.47	84.0	.0085	.7746	19.07.4	C	Midnight.
9	20.179	18.42	82.9	26.44	83.6	.0083	.7743	19.07.5	B	1 12 a. m.
10	20·179	18.43	82.6	26.59	83.5	.0085	.7759	19.07.9	B	2 12 „
11	20.110	18.56	82.4	26·56	83.4	.0106	.7756	19.07.0	B	3 12 „

On the 7th, at about 19h., Dip as obtained by Observation was 19°01′2.

DAILY OBSERVATIONS FROM 10TH TO 12TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 10th—12	20'110	18.48	82°3	46.60	83°3	8.0093	2.7761	19°07'9	B	4 12 a. m.
13	19.493	18.53	82.3	46.60	83.3	.0101	.7761	19.07.2	L	5 12 „
14	19.904	18.50	82.3	46.84	83.3	.0096	.7787	19.08.3	L	6 12 „
15	21.345	18.41	82.4	47.09	83.0	.0082	.7814	19.09.2	L	7 12 „
16	22.374	18.74	83.0	46.89	83.1	.0136	.7792	19.07.9	L	8 12 „
17	22.374	19.31	83.5	46.44	83.5	.0229	.7743	19.04.9	C	9 12 „
18	21.276	19.76	84.5	46.12	84.0	.0303	.7708	19.02.6	C	10 12 „
19	19.836	19.86	85.6	45.65	85.0	.0319	.7656	19.00.3	C	11 12 „
20	17.915	19.88	86.0	45.66	85.3	.0322	.7667	19.00.7	C	Noon.
21	17.776	19.65	86.2	45.97	85.5	.0284	.7691	19.02.2	B	1 12 p. m.
22	19.218	19.25	86.4	46.24	86.2	.0219	.7721	19.04.1	B	2 12 „
23	19.493	19.10	86.1	46.27	86.2	.0194	.7724	19.04.6	B	3 12 „
Oct. 11th-Noon.	19.561	18.87	85.5	46.21	85.8	.0157	.7718	19.04.8	B	4 12 „
1	19.561	18.70	84.7	46.31	85.0	.0129	.7729	19.05.6	L	5 12 „
2	19.767	18.53	83.2	46.35	84.2	.0101	.7733	19.06.2	L	6 12 „
3	19.561	18.46	83.5	46.53	84.3	.0090	.7753	19.07.7	L	7 12 „
4	19.493	18.26	83.5	46.56	84.5	.0057	.7756	19.08.2	L	8 12 „
5	19.287	18.33	83.4	46.72	84.3	.0068	.7772	19.08.6	C	9 12 „
6	19.424	18.46	83.2	47.46	84.1	.0090	.7755	19.10.7	C	10 12 „
7	19.493	18.69	83.0	47.27	83.9	.0127	.7834	19.09.7	C	11 12 „
8	19.630	18.64	82.8	47.38	83.7	.0119	.7846	19.10.3	C	Midnight.
9	19.836	18.69	82.6	47.46	83.5	.0127	.7855	19.10.6	B	1 12 a. m.
10	19.699	18.72	82.5	47.39	83.5	.0132	.7847	19.10.3	B	2 12 „
11	19.424	18.75	82.5	47.44	83.3	.0137	.7853	19.10.4	B	3 12 „
12	19.287	18.83	82.3	47.46	83.2	.0150	.7855	19.10.3	B	4 12 „
13	19.218	18.88	82.2	47.55	83.2	.0158	.7865	19.10.5	L	5 12 „
14	19.973	18.80	81.9	47.82	82.8	.0145	.7895	19.11.8	L	6 12 „
15	20.865	18.69	82.0	47.86	82.6	.0127	.7899	19.12.2	L	7 12 „
16	21.415	18.99	82.4	47.52	82.7	.0176	.7862	19.10.1	L	8 12 „
17	21.345	19.37	83.0	47.09	83.0	.0239	.7814	19.07.5	C	9 12 „
18	19.561	19.76	84.2	46.52	83.8	.0303	.7752	19.04.3	C	10 12 „
19	18.327	20.12	84.9	46.40	84.0	.0361	.7739	19.03.0	C	11 12 „
20	16.955	20.12	85.0	46.47	84.6	.0361	.7746	19.03.3	C	Noon.
21	16.817	19.71	85.6	46.71	85.0	.0295	.7773	19.05.1	B	1 12 p. m.
22	17.709	19.57	85.8	46.77	85.5	.0273	.7779	19.04.7	B	2 12 „
23	19.013	19.47	85.6	46.64	85.8	.0256	.7765	19.04.3	B	3 12 „
Oct. 12th-Noon.	19.973	19.31	85.6	46.24	85.9	.0229	.7721	19.04.0	B	4 12 „
1	19.287	19.17	85.1	47.05	85.7	.0223	.7700	19.03.3	L	5 12 „
2	18.875	18.92	84.5	46.26	85.4	.0164	.7723	19.05.0	L	6 12 „
3	19.218	18.83	84.5	46.37	85.1	.0150	.7735	19.05.6	L	7 12 „
4	19.218	18.76	84.3	46.37	85.0	.0139	.7735	19.05.8	L	8 12 „
5	19.013	19.17	84.3	46.33	84.9	.0206	.7731	19.04.7	C	9 12 „
6	19.218	18.74	83.9	46.54	84.7	.0136	.7754	19.06.5	C	10 12 „
7	19.836	19.04	84.0	46.58	84.7	.0185	.7758	19.06.0	C	11 12 „
8	19.767	19.00	84.1	46.44	84.7	.0178	.7743	19.05.6	C	Midnight.
9	19.630	18.93	84.0	46.44	84.7	.0166	.7743	19.05.7	B	1 12 a. m.
10	19.767	18.81	84.0	46.44	84.6	.0147	.7743	19.05.9	B	2 12 „
11	19.767	18.72	83.1	46.52	84.0	.0132	.7752	19.06.5	B	3 12 „
12	19.699	18.67	82.5	46.61	83.8	.0124	.7762	19.06.9	B	4 12 „
13	19.699	18.61	82.1	46.69	83.5	.0114	.7770	19.07.5	L	5 12 „
14	20.042	18.56	82.1	46.82	83.3	.0106	.7795	19.08.5	L	6 12 „
15	20.385	18.63	82.4	46.94	83.0	.0117	.7798	19.08.4	L	7 12 „
16	20.659	18.92	82.5	46.54	83.0	.0164	.7754	19.06.2	L	8 12 „
17	19.973	19.48	83.2	46.10	83.3	.0257	.7706	19.03.0	C	9 12 „
18	18.670	19.92	84.6	45.73	84.2	.0328	.7665	19.00.5	C	10 12 „
19	17.239	20.04	85.8	45.63	85.0	.0349	.7654	18.59.8	C	11 12 „
20	17.366	19.90	86.2	45.78	85.8	.0325	.7670	19.00.7	C	Noon.
21	18.052	19.46	86.2	46.02	85.8	.0254	.7697	19.02.8	B	1 12 p. m.
22	18.464	19.37	86.8	46.19	86.2	.0239	.7715	19.03.7	B	2 12 „
23	18.807	19.27	86.9	46.19	86.3	.0223	.7715	19.03.9	B	3 12 „

On the 11th, at about 19h., Dip as obtained by Observation was 19°15'0.

DAILY OBSERVATIONS FROM 13TH TO 15TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 13th-Noon.	19°08′	19.11	86°8	46.20	86°6	8.0196	2.7717	19°04′3	B	4 12 p. m.
1	19.150	18.94	86.0	46.11	86.3	.0168	.7707	19.04.3	L	5 12 "
2	19.081	18.63	85·6	46.18	86.0	.0117	.7714	19.05.1	L	6 12 "
3	19·356	18·43	85.3	46.32	85.9	.0085	.7730	19.06.8	L	7 12 "
4	19.973	18.25	84.9	46.45	85·6	.0055	.7744	19.07.7	L	8 12 "
5	19.904	18.21	84.1	46.49	84.6	.0049	.7748	19.08.0	C	9 12 "
6	20.042	18.31	83.9	46.69	84.0	.0063	.7770	19.08.7	C	10 12 "
7	19.699	18.41	83.3	46.74	83.4	.0082	.7776	19.08.7	C	11 12 "
8	20.042	18.50	82·8	46.80	82.7	.0096	.7783	19.08.1	C	Midnight.
9	19.973	18.43	82.2	46.90	82.6	.0085	.7794	19.09.2	B	1 12 a. m.
10	20.042	18.46	82.2	46.93	82.6	.0090	.7797	19.09.4	B	2 12 "
11	19.904	18.56	82.1	46.97	82.6	.0096	.7801	19.08.8	B	3 12 "
12	19.218	18·69	82.1	46.88	82.5	.0127	.7791	19.08.0	B	4 12 "
13	19.561	18.77	82.0	47.00	82.5	.0141	.7805	19.08.5	C	5 12 "
14	19.904	18.71	82.0	47.13	82.5	.0131	.7819	19.09.1	C	6 12 "
15	20.522	18.49	82.0	47.12	82.3	.0195	.7818	19.09.5	C	7 12 "
16	20.728	18.68	82.1	46.98	82.0	.0125	.7802	19.08.4	C	8 12 "
17	20.590	19.07	82.7	46.72	82.4	.0190	.7774	19.06.5	L	9 12 "
18	19.493	19.45	83.9	46.44	83.3	.0252	.7743	19.04.6	L	10 12 "
19	19.150	19.47	84.9	46.42	84.0	.0256	.7741	19.04.4	L	11 12 "
20	19.013	19.61	85.6	46.58	84.4	.0278	.7748	19.04.5	L	Noon.
21	18.670	19.44	86.1	46.37	85.2	.0251	.7735	19.04.3	B	1 12 p. m.
22	18.464	19.21	86.2	46.42	85.4	.0213	.7741	19.05.1	B	2 12 "
23	18.738	19.15	86.1	46.31	85.2	.0202	.7729	19.04.7	B	3 12 "
Oct. 14th-Noon.	18.738	18.96	85.8	46.31	85.2	.0171	.7729	19.05.1	B	4 12 "
1	18.464	18.91	85.0	46.44	84.6	·0163	.7743	19.05·8	L	5 12 "
2	18.464	18.93	84.4	46.61	84·2	.0166	.7762	19.06.3	L	6 12 "
3	18.944	18.84	84.2	46.68	84.2	.0152	.7769	19.06.8	L	7 12 "
4	19.218	18.70	83·7	46.67	84.0	.0129	·7764	19.06.8	L	8 12 "
5	19.150	18.64	83.6	46.72	83.9	.0119	.7764	19.07.0	C	9 12 "
6	19.081	18.61	83.5	46.81	83.9	.0114	.7784	19.08.0	C	10 12 "
7	19.287	18.58	83.1	46.88	83.8	.0109	.7791	19.08.3	C	11 12 "
8	19.356	18.71	83.0	46.93	83.5	.0131	.7797	19.08.3	C	Midnight.
9	19·424	18.70	82.9	46.95	83.2	.0129	.7799	19.08.3	B	1 12 a. m.
10	19.424	18.76	82.8	47.00	83.3	.0139	.7805	19.08.5	B	2 12 "
11	19.218	18.86	82.8	47.00	83.3	.0155	.7805	19.08.2	B	3 12 "
12	18.944	18.80	82.5	47.10	83.2	.0145	.7816	19.08.7	B	4 12 "
13	18.807	18.86	82.4	47.23	83.0	.0155	.7830	19.09.2	L	5 12 "
14	19.013	18.91	82.3	47.38	82.8	.0163	.7846	19.09.8	L	6 12 "
15	20.933	18.95	82.3	47.45	82.4	.0169	.7854	19.10.0	L	7 12 "
16	21.826	19.36	82.8	47.28	82.6	.0237	.7835	19.08.4	L	8 12 "
17	21.345	19.91	83.9	46.80	83.2	.0327	.7783	19.05.1	C	9 12 "
18	20.110	20.23	84.0	46.55	83.6	.0380	.7755	19.03.5	C	10 12 "
19	19.287	20.38	84.6	46.57	84.0	.0404	.7757	19.03.3	C	11 12 "
20	18.532	20.33	85.8	46.55	85.0	.0396	.7755	19.03.2	C	Noon.
21	18.258	20.01	86.4	46.43	85.4	.0344	.7742	19.03.4	B	1 12 p. m.
22	18.395	19.66	86.1	46.47	85·5	.0286	.7746	19.04.2	B	2 12 "
23	18.738	19.41	85.6	46.61	85.4	.0206	.7762	19.04.2	B	3 12 "
Oct. 15th-Noon.	18.738	19.28	85.1	46.55	85.0	.0224	.7755	19.05.5	B	4 12 "
1	18.395	19.28	84.7	46.46	84.8	.0224	.7745	19·05.1	L	5 12 "
2	18.464	19.10	84·2	46.72	84.6	.0194	.7774	19.06.5	L	6 12 "
3	19.013	18.94	84.0	46.77	84.5	.0168	.7779	19.07.0	L	7 12 "
4	18.944	18.82	83.7	46.82	84.0	.0148	.7785	19.07.5	L	8 12 "
5	18.944	18.83	83.4	46.84	84.0	.0150	.7787	19.07.6	C	9 12 "
6	19.013	18.88	83.3	46.92	84.0	.0158	.7796	19.07.8	C	10 12 "
7	19.218	19·00	83.3	47.09	83.9	.0178	.7814	19.08.3	C	11 12 "
8	19.424	18.95	83.0	47.12	83.9	.0169	.7818	19.08.6	C	Midnight.
9	19.424	18.98	83.0	46.86	83·6	.0174	.7789	19.07.4	B	1 12 a. m.
10	19.356	19.00	82.9	46.90	83.4	.0178	.7794	19.07.5	B	2 12 "
11	19.150	18.95	82.5	46.87	83.1	·0169	.7790	19.07.5	B	3 12 "

On the 14th, at about 19h. 10m., Dip as obtained by Observation was 19°09′0.

DAILY OBSERVATIONS FROM 15TH TO 18TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 15th—12	18·738	18.86	82·0	47.13	82·5	8.0155	2.7819	19°08'7	B	4 12 a. m.
13	19.081	18.83	81.5	47.23	82.3	.0150	.7830	19.09.3	L	5 12 „
14	19.013	18.99	81.6	47.26	82.1	.0176	.7833	19.10.1	L	6 12 „
15	20.110	19.03	82.0	47.39	82.2	.0183	.7847	19.09.7	L	7 12 „
16	21.208	19.46	82.7	47·23	82.7	.0254	.7830	19.08.0	L	8 12 „
17	21.208	19.93	83.4	46·94	83.0	.0330	.7798	19.05.7	C	9 12 „
18	20.453	20.20	84.5	46.65	83.8	.0375	.7756	19.03.5	C	10 12 „
19	19.493	20.27	85.4	46.43	84.9	.0387	.7742	19.02.7	C	11 12 „
20	18.189	20.19	86.0	46·34	85.6	.0373	.7734	19.02.7	C	Noon.
21	17·709	19.89	86.2	46.38	85.6	.0324	.7736	19.03.5	B	1 12 p. m.
22	18.327	19.57	86.6	46.45	86.0	.0272	.7744	19.04.4	B	2 12 „
23	19.013	19.47	86.4	46·37	86.2	.0256	.7735	19.04.2	B	3 12 „
Oct. 17th-Noon.	19.630	19.12	86.3	45.86	87.0	.0197	.7679	19.02.7	B	4 12 „
1	19.218	18.95	85·2	45.87	86.3	.0169	.7680	19.03.2	B	5 12 „
2	18.738	18.74	84·2	45·97	85.0	.0136	.7691	19·04.0	B	6 12 „
3	19.218	18.73	84.0	46.32	84.7	.0134	.7730	19.05.7	B	7 12 „
4	19.287	18.76	83.9	46.44	84.6	.0139	.7743	19.06.1	B	8 12 „
5	19.218	18.72	83.6	46.39	84.4	.0132	.7737	19.06.0	C	9 12 „
6	19.493	18.64	83·5	46.62	84.0	.0119	.7763	19.07.0	C	10 12 „
7	19.356	18.79	83·2	46.67	83.9	.0144	.7768	19.07.0	C	11 12 „
8	18.944	19.01	83.2	46.70	83.9	.0180	.7772	19.06·6	C	Midnight.
9	18.464	19.60	83.1	46·69	83.7	.0276	.7770	19.05.3	B	1 12 a. m.
10	19.904	18.83	82.7	46.89	83.5	.0150	.7792	19.07.7	B	2 12 „
11	19.356	18.51	82.7	46.89	83.5	.0098	.7792	19 08.4	B	3 12 „
12	18.738	18.37	82.2	46.80	83.3	.0075	.7783	19.09.0	B	4 12 „
13	19.013	18.65	82.1	46·98	83.2	.0120	.7802	19.08.5	L	5 12 „
14	19·424	18.61	82.0	47.03	82.8	.0114	.7808	19.09.0	L	6 12 „
15	20.728	18.39	82.3	47.22	82.5	.0078	.7829	19.09.8	L	7 12 „
16	21.415	18.72	83.0	47.04	82.9	.0132	.7809	19.08.7	L	8 12 „
17	22.101	18.96	83.5	46.73	83.1	.0171	.7775	19.06.9	C	9 12 „
18	21.482	19.26	84.0	46.37	83.7	.0221	.7745	19.05.1	C	10 12 „
19	19.699	19.62	85·0	46·02	84.3	.0279	.7717	19.03.3	C	11 12 „
20	18.875	19.48	85·8	46.21	84.9	.0257	.7718	19.03.5	C	Noon.
21	18.601	19.34	86.4	46.18	85.2	.0234	.7714	19.03.7	B	1 12 p. m.
22	18.875	19.29	86.4	46.33	85·5	.0226	.7731	19.04.4	B	2 12 „
23	19.287	19.21	86.5	46.26	86.0	.0213	.7723	19.04.4	B	3 12 „
Oct. 18th-Noon.	19.150	19.20	86.6	46.19	86.4	.0211	.7715	19.04.1	B	4 12 „
1	18.670	19.02	85.5	46.12	85.9	.0181	.7708	19.04.2	L	5 12 „
2	18.601	18.58	83.6	46.26	84.6	.0109	.7723	19.04.7	L	6 12 „
3	19.561	18.04	82.6	46.68	83.7	.0021	.7769	19.09.1	L	7 12 „
4	19.424	18.14	82.8	46.52	83.5	.0037	.7752	19.08.3	L	8 12 „
5	19.561	18·27	82.2	46.79	83.0	.0059	.7781	19.09.1	C	9 12 „
6	19.699	18.24	82.0	46.81	82.5	.0054	.7784	19.09.3	C	10 12 „
7	20.007	18.32	81.8	46·95	82.3	.0066	.7799	19.09.7	C	11 12 „
8	19.767	18.56	81.9	46.95	82.5	.0106	.7799	19.08.6	C	Midnight.
9	19.699	18.32	81.9	46.98	82.2	.0066	.7802	19.08.8	B	1 12 a. m.
10	20.110	18.48	81.8	47.12	82.2	.0093	.7807	19.08.8	B	2 12 „
11	20.796	18.26	81.7	47.17	82.2	.0057	.7823	19.09.8	B	3 12 „
12	20.659	18.49	81.4	47.16	82.1	.0095	.7822	19.09.6	B	4 12 „
13	20.385	18.39	81.2	47.20	82.0	.0078	.7827	19.09.8	L	5 12 „
14	19.767	18.27	81.1	47.11	82.0	.0059	.7817	19.09.6	L	6 12 „
15	20.316	18.18	81.6	47.34	81.9	.0043	.7842	19.10.8	L	7 12 „
16	21.071	18.61	82.5	47·12	82.1	.0114	.7818	19.09 4	L	8 12 „
17	21.415	18.74	83.2	46.95	82.8	.0136	.7799	19.08.2	C	9 12 „
18	20.659	18.98	84.0	46.57	83.2	.0174	.7757	19.06.3	C	10 12 „
19	19.561	18.99	85.5	46.19	84.1	.0176	.7704	19.04.0	C	11 12 „
20	18.464	18.92	86.1	46·13	85.0	.0164	.7698	19.04.0	C	Noon.
21	19.287	18·49	86.9	46.25	85.5	.0095	.7722	19.05.7	B	1 12 p. m.
22	19.356	18.25	87.0	46·39	86.2	.0055	.7737	19.07.5	B	2 12 „
23	19.561	18.55	86.8	46.32	86.5	.0104	.7730	19.06.1	B	3 12 „

On the 18th, at about 19h., Dip as obtained by Observation was 19°08'4.

DAILY OBSERVATIONS FROM 19TH TO 21ST OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 19th-Noon.	19·904	18.44	86·2	46.20	86·6	8.0087	2.7717	19°06′3	B	4 12 p. m.
1	19.356	18.24	85.3	46.16	86.1	.0054	.7712	19.06.5	L	5 12 „
2	19.287	18.04	84.9	46.31	85.6	.0021	.7729	19.07.6	L	6 12 „
3	19.218	18.10	84.5	46.38	85.2	.0030	.7736	19.07.8	L	7 12 „
4	19.904	17.80	84.3	46·45	85.0	7.9981	.7744	19.07.9	L	8 12 „
5	19.973	17.63	84.0	46.72	84.8	.9953	.7774	19.09.3	C	9 12 „
6	20.590	17.55	83.5	46.95	84.5	.9940	.7799	19.10.5	C	10 12 „
7	20.453	17.52	83.2	46·82	84.0	.9935	.7785	19.10.0	C	11 12 „
8	20.796	17.64	83.0	46.97	83.9	.9955	.7801	19.10.3	C	Midnight.
9	21.345	17.77	82.2	46.98	83.5	.9977	.7802	19.10.4	B	1 12 a. m.
10	21.002	18.12	82.6	47.03	83.5	8.0033	.7808	19.09.6	B	2 12 „
11	20.385	18.25	82.3	47.02	83.4	.0055	.7807	19·09.2	B	3 12 „
12	19.973	18.12	82.2	47.10	83.2	.0033	.7816	19.09.9	B	4 12 „
13	19.973	18.04	82·2	47.20	83.2	.0021	.7827	19.10.5	L	5 12 „
14	20.110	18.06	81.9	47.23	82.9	.0024	.7830	19.10.6	L	6 12 „
15	20.522	18.36	81.9	47.18	82.6	.0073	.7824	19.09.7	L	7 12 „
16	20.865	18.90	82.7	46.86	82.8	.0161	.7789	19.07.5	L	8 12 „
17	20.796	19.31	83.5	46.65	83.3	·0229	.7766	19.05.7	C	9 12 „
18	19.767	19.61	84 5	46.27	84.0	.0278	.7724	19.03.5	C	10 12 „
19	18.327	19.90	85.0	46.13	84.7	.0325	.7709	19.02.2	C	11 12 „
20	18.121	19.89	86.0	46.22	85.5	.0324	.7719	19.02.7	C	Noon.
21	18.601	19.65	86.5	46.26	86.2	.0284	.7723	19.03.5	B	1 12 p. m.
22	19.630	19.38	87.1	46·29	87.0	.0240	.7726	19.04.1	B	2 12 „
23	20.689	19.13	87·5	46.28	87.6	.0199	.7725	19.04.6	B	3 12 „
Oct. 20th-Noon.	20.865	18.90	87.1	46.08	87.5	.0161	.7703	19.04.2	B	4 12 „
1	19.356	18.77	86.3	45.94	86.7	·0141	.7688	19.03.9	L	5 12 „
2	18·944	18.55	85.4	46.29	86.2	.0104	.7726	19.05.9	L	6 12 „
3	19.218	18.46	84.7	46.42	85.6	.0090	.7741	19.07.2	L	7 12 „
4	19.356	18.22	84.3	46.46	85.0	.0050	.7745	19.07.9	L	8 12 „
5	19.424	18.20	84.0	46.58	84.8	.0047	.7758	19.08.4	C	9 12 „
6	19.836	18.20	83.4	46.81	84.5	.0047	.7784	19.09.3	C	10 12 „
7	20.042	18.36	83.2	46·93	84.2	.0073	.7797	19.09.7	C	11 12 „
8	20·453	18.20	82.9	47.02	84.0	.0047	.7807	19.09.3	C	Midnight.
9	20.247	18.56	82.2	47.16	83.6	.0106	.7822	19.09.5	B	1 12 a. m.
10	20.728	18.38	82.1	47·30	83.3	.0076	.7827	19.09.8	B	2 12 „
11	20.453	18.37	81.3	47.34	82.9	.0075	.7831	19.09.9	B	3 12 „
12	20.110	18.42	81.0	47.30	82·5	.0083	.7827	19.09.8	B	4 12 „
13	19·424	18.60	80.7	47.35	82·4	.0112	.7833	19.10.0	L	5 12 „
14	19.836	18.40	80.6	47.58	82.0	.0080	.7868	19.11.3	L	6 12 „
15	20.522	18.38	80.5	47.57	81.7	.0076	.7867	19.11.3	L	7 12 „
16	21.415	18.67	81.0	47.56	81.8	.0124	.7866	19.11.0	L	8 12 „
17.	21.482	19.03	81.9	47.21	82.0	.0183	.7828	19.08.9	C	9 12 „
18	21.415	19.25	83.0	46.93	83.0	.0219	.7797	19.07.1	C	10 12 „
19	20.385	19.48	84.0	46.70	84.0	.0257	.7772	19.05.5	C	11 12 „
20	19.699	19.65	85.0	46.64	84.8	.0280	.7765	19.05.1	C	Noon.
21	19.836	19.59	86.0	46.77	85.5	.0275	.7777	19.05.6	B	1 12 p. m.
22	20·110	19.09	86.7	46.71	86.4	.0193	.7773	19.06.5	B	2 12 „
23	20.590	18.95	86.7	46.82	87.0	.0169	.7785	19.07.3	B	3 12 „
Oct. 21st-Noon.	20·493	18.75	86·2	46.71	87.0	.0137	.7773	19.07.2	B	4 12 „
1	19.836	18.38	85.7	46.61	86.1	.0076	.7762	19.08.1	L	5 12 „
2	19.836	18.29	85.0	46.99	85.6	.0062	·7803	19.09.0	L	6 12 „
3	20.179	18.15	84.4	47.14	85.2	.0038	.7820	19.10.0	L	7 12 „
4	20.042	17.91	84.0	46.99	84.6	7.9999	.7803	19·09.8	L	8 12 „
5	19.904	17.87	83.5	47.10	84.2	.9993	.7816	19.10.4	C	9 12 „
6	20.316	17.92	82.4	47.27	83.5	8.0000	.7834	19.11.0	C	10 12 „
7	20.453	18.04	82.0	47.33	83.2	.0021	.7841	19.11.0	C	11 12 „
8	20.590	18.19	81.2	47.39	82.7	.0045	.7867	19.11.6	C	Midnight.
9	20.316	18.27	80.9	47.58	82.2	.0059	.7868	19.11.5	B	1 12 a. m.
10	20.179	18·62	80.9	47.70	82.2	.0115	.7882	19.11.6	B	2 12 „
11	20.179	18.52	80·8	47.81	81.9	.0099	.7894	19.12·4	B	3 12 „

DAILY OBSERVATIONS FROM 21ST TO 24TH OCTOBER 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
OCT. 21ST—12	19°630	18.55	80°5	47.85	81°7	8.0104	2.7898	19°12'6	B	4 12 p.m.
13	19.561	18.63	80.2	47.98	81.4	.0117	.7912	19.12.8	L	5 12 „
14	19.150	18.45	79.8	47.89	81.0	.0088	.7902	19.12.3	L	6 12 „
15	18.807	18.75	79.8	48.10	80.7	.0137	.7926	19.13.3	L	7 12 „
16	20.590	18.98	80.5	48.27	80.9	.0174	.7944	19.13.5	L	8 12 „
17	21.002	19.40	81.6	48.01	81.2	.0244	.7916	19.11.5	C	9 12 „
18	21.071	19.34	82.9	47.56	82.0	.0234	.7866	19.09.6	C	10 12 „
19	20.659	19.55	84.0	47.35	83.0	.0268	.7843	19.08.3	C	11 12 „
20	20.659	19.52	84.7	47.36	84.0	.0279	.7844	19.08.2	C	Noon.
21	21.345	19.55	86.0	47.89	84.8	.0268	.7858	19.08.9	B	1 12 p.m.
22	21.545	19.09	86.2	47.38	85.4	.0193	.7856	19.09.8	B	2 12 „
23	21.002	18.95	85.9	47.22	85.7	.0169	.7829	19.09.0	B	3 12 „
OCT. 22ND—Noon.	20.247	18.52	85.6	47.02	85.8	.0099	.7807	19.09.1	B	4 12 „
1	19.973	18.33	84.9	47.04	85.4	.0068	.7809	19.09.1	L	5 12 „
2	19.150	18.27	84.5	47.23	85.0	.0059	.7830	19.10.1	L	6 12 „
3	19.493	18.53	84.3	47.42	84.6	.0101	.7841	19.10.4	L	7 12 „
4	19.699	18.50	84.0	47.49	84.4	.0096	.7848	19.10.7	L	8 12 „
5	19.973	18.51	84.0	47.55	84.1	.0098	.7865	19.11.3	C	9 12 „
6	20.042	18.46	83.6	47.62	84.0	.0090	.7873	19.11.3	C	10 12 „
7	20.110	18.53	83.0	47.77	83.9	.0101	.7889	19.12.2	C	11 12 „
8	20.590	18.59	83.0	47.81	83.6	.0111	.7894	19.12.3	C	Midnight.
9	20.659	18.57	82.5	47.81	83.5	.0108	.7894	19.12.3	B	1 12 a.m.
10	20.316	18.57	82.2	47.79	83.1	.0108	.7891	19.12.2	B	2 12 „
11	20.590	18.62	81.9	47.86	82.8	.0115	.7889	19.11.7	B	3 12 „
12	20.385	18.50	81.2	47.95	82.4	.0096	.7909	19.13.0	B	4 12 „
13	19.904	18.52	80.4	47.93	82.2	.0099	.7907	19.13.0	L	5 12 „
14	20.316	18.55	80.3	48.05	82.8	.0104	.7920	19.13.5	L	6 12 „
15	21.208	18.60	80.2	48.17	81.4	.0112	.7933	19.13.9	L	7 12 „
16	22.237	18.87	80.4	48.04	81.4	.0157	.7919	19.12.6	L	8 12 „
17	22.168	19.32	81.6	47.58	82.4	.0230	.7868	19.09.9	C	9 12 „
18	21.276	19.60	83.0	47.06	82.7	.0276	.7811	19.06.9	C	10 12 „
19	20.247	19.84	84.3	46.72	83.0	.0316	.7774	19.04.8	C	11 12 „
20	19.493	19.83	85.2	46.83	84.2	.0314	.7786	19.05.5	C	Noon.
21	19.218	19.77	86.5	46.80	85.2	.0305	.7783	19.05.4	B	1 12 p.m.
22	19.699	19.44	87.0	46.97	86.4	.0251	.7801	19.09.9	B	2 12 „
23	19.493	19.42	78.6	46.93	87.1	.0247	.7797	19.06.6	B	3 12 „
OCT. 24TH—Noon.	20.042	19.08	86.3	47.06	86.9	.0191	.7811	19.08.0	B	4 12 „
1	19.561	19.02	85.1	47.13	86.0	.0181	.7819	19.08.5	B	5 12 „
2	19.356	18.90	84.2	47.51	85.2	.0161	.7861	19.10.3	B	6 12 „
3	19.493	18.83	83.9	47.54	84.7	.0150	.7864	19.10.5	L	7 12 „
4	19.836	18.67	83.3	47.54	84.2	.0124	.7864	19.10.9	L	8 12 „
5	20.179	18.60	82.8	47.60	83.9	.0112	.7871	19.11.4	C	9 12 „
6	19.904	18.63	82.6	47.61	83.5	.0117	.7871	19.11.2	C	10 12 „
7	20.522	18.71	82.1	47.78	83.3	.0131	.7890	19.11.9	C	11 12 „
8	20.522	18.68	81.9	47.79	83.0	.0125	.7891	19.11.9	C	Midnight.
9	20.522	18.72	81.9	47.88	82.7	.0132	.7901	19.12.3	B	1 12 a.m.
10	19.973	18.75	81.8	47.86	82.6	.0137	.7899	19.12.1	B	2 12 „
11	19.699	18.81	8 .4	47.87	82.3	.0147	.7900	19.12.0	B	3 12 „
12	19.699	18.75	81.0	47.90	82.0	.0137	.7904	19.12.3	B	4 12 „
13	19.561	18.73	80.4	48.03	81.6	.0134	.7918	19.13.0	L	5 12 „
14	19.561	18.73	80.1	48.04	81.3	.0134	.7919	19.13.0	L	6 12 „
15	20.728	18.81	80.0	48.25	81.0	.0147	.7942	19.13.6	L	7 12 „
16	21.345	19.14	80.5	48.11	81.0	.0201	.7927	19.12.5	L	8 12 „
17	21.963	19.58	81.0	47.87	81.5	.0273	.7900	19.10.5	C	9 12 „
18	20.179	19.94	82.0	47.26	82.0	.0332	.7833	19.07.1	C	10 12 „
19	18.532	20.13	83.0	47.09	83.0	.0363	.7814	19.05.9	C	11 12 „
20	18.258	20.07	84.3	47.08	83.6	.0354	.7813	19.06.0	C	Noon.
21	18.532	19.93	85.7	47.14	84.8	.0330	.7820	19.06.6	B	1 12 p.m.
22	18.944	19.72	85.9	47.30	85.2	.0296	.7838	19.07.7	B	2 12 „
23	19.424	19.49	86.0	47.39	85.6	.0259	.7847	19.08.5	B	3 12 „

On the 21st, at about 19h., Dip as obtained by Observation was 19°12'8.
On the 22nd, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 25TH TO 27TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 25th-Noon.	19°973	19.30	85°6	47.46	85°6	8.0227	2.7855	19°09′2	B	4 12 p. m.
1	19.699	19.15	84.6	47.46	85.2	.0202	.7855	19.09.6	L	5 12 „
2	19.630	18.95	83.5	47.65	84.4	.0169	.7876	19.10.8	L	6 12 „
3	20.110	18.73	83.0	47.76	84.0	.0134	.7888	19.11.8	L	7 12 „
4	20.316	18.72	82.1	47.82	83.3	.0132	.7895	19.12.1	L	8 12 „
5	20.453	18.67	81.4	47.88	82.7	.0124	.7901	19.12.4	C	9 12 „
6	20.385	18.72	80.9	47.99	82.3	.0132	.7913	19.12.8	C	10 12 „
7	20.042	18.69	80.4	47.92	82.0	.0127	.7906	19.12.5	C	11 12 „
8	20.247	18.82	80.4	47.75	81.8	.0148	.7887	19.11.5	C	Midnight.
9	20.385	18.79	80.4	47.70	81.8	.0144	.7882	19.11.4	B	1 12 a. m.
10	20.110	18.94	80.5	47.73	81.5	.0168	.7885	19.11.2	B	2 12 „
11	19.699	19.04	80.2	47.59	81.3	.0185	.7869	19.10.2	B	3 12 „
12	19.630	19.01	80.0	47.65	81.0	.0180	.7876	19.10.7	B	4 12 „
13	19.699	19.04	79.5	47.68	80.7	.0185	.7879	19.10.6	L	5 12 „
14	19.356	19.03	79.1	47.74	80.2	.0183	.7886	19.11.1	L	6 12 „
15	19.904	19.09	79.3	48.00	79.8	.0193	.7915	19.12.1	L	7 12 „
16	21.415	19.43	79.5	48.19	79.8	.0249	.7935	19.12.1	L	8 12 „
17	22.718	19.93	80.6	47.90	80.0	.0330	.7904	19.09.8	C	9 12 „
18	21.415	20.35	82.1	47.23	81.1	.0399	.7830	19.06.1	C	10 12 „
19	20.179	20.41	83.4	47.06	82.1	.0410	.7811	19.05.1	C	11 12 „
20	19.699	20.33	84.5	46.97	83.0	.0396	.7801	19.04.9	C	Noon.
21	19.287	20.12	85.1	46.83	83.7	.0361	.7786	19.04.8	B	1 12 p. m.
22	19.081	19.89	85.4	46.97	84.3	.0324	.7801	19.05.9	B	2 12 „
23	19.904	19.74	85.7	47.10	85.0	.0300	.7816	19.06.8	B	3 12 „
Oct. 26th-Noon.	20.385	19.48	84.9	47.15	84.9	.0257	.7821	19.07.5	B	4 12 „
1	19.904	19.36	84.1	47.21	84.3	.0237	.7828	19.08.1	L	5 12 „
2	19.699	19.11	83.5	47.37	84.0	.0196	.7845	19.09.3	L	6 12 „
3	20.316	18.78	82.9	47.56	83.5	.0142	.7866	19.10.8	L	7 12 „
4	20.385	18.57	82.3	47.58	83.2	.0108	.7868	19.11.3	L	8 12 „
5	20.728	18.46	82.0	47.59	83.0	.0090	.7869	19.11.1	C	9 12 „
6	21.002	18.54	81.9	47.60	82.4	.0103	.7871	19.11.5	C	10 12 „
7	21.071	18.57	81.6	48.12	82.3	.0108	.7928	19.13.7	C	11 12 „
8	20.659	18.82	81.7	48.01	82.0	.0148	.7916	19.12.6	C	Midnight.
9	20.659	18.70	81.0	48.29	81.9	.0129	.7946	19.14.1	B	1 12 a. m.
10	20.522	18.65	80.4	48.19	81.6	.0120	.7935	19.13.8	B	2 12 „
11	19.630	18.71	80.0	48.24	81.2	.0131	.7941	19.13.9	B	3 12 „
12	19.630	18.79	79.9	48.23	80.9	.0144	.7940	19.13.8	B	4 12 „
13	19.561	18.76	79.9	48.32	80.8	.0139	.7950	19.14.2	L	5 12 „
14	19.767	18.77	79.4	48.41	80.2	.0141	.7960	19.14.5	L	6 12 „
15	21.276	18.69	79.6	48.56	80.1	.0127	.7976	19.15.2	L	7 12 „
16	21.276	19.06	80.4	48.16	80.4	.0188	.7932	19.12.7	L	8 12 „
17	20.796	19.50	81.2	47.97	80.7	.0260	.7911	19.11.0	C	9 12 „
18	20.453	19.85	82.0	47.55	81.1	.0317	.7865	19.08.4	C	10 12 „
19	19.973	20.10	83.4	47.51	82.1	.0358	.7861	19.09.7	C	11 12 „
20	20.247	19.80	84.1	47.54	83.0	.0309	.7864	19.08.5	C	Noon.
21	21.071	19.42	85.1	47.61	83.5	.0247	.7862	19.09.0	B	1 12 p. m.
22	20.247	19.02	85.4	47.49	84.2	.0181	.7858	19.10.1	B	2 12 „
23	20.796	18.49	85.5	47.59	84.6	.0095	.7869	19.11.4	B	3 12 „
Oct. 27th-Noon.	20.247	18.28	84.9	47.44	84.8	.0060	.7855	19.11.0	B	4 12 „
1	19.630	18.22	83.9	47.49	84.3	.0050	.7858	19.11.3	L	5 12 „
2	20.316	18.12	83.1	47.78	80.9	.0033	.7890	19.11.8	L	6 12 „
3	20.385	18.10	82.7	47.88	83.6	.0030	.7901	19.13.1	L	7 12 „
4	20.453	18.15	82.4	47.94	83.0	.0038	.7908	19.13.3	L	8 12 „
5	20.590	18.21	82.0	48.01	82.9	.0049	.7916	19.13.4	C	9 12 „
6	20.590	18.45	81.5	48.06	82.6	.0088	.7921	19.13.1	C	10 12 „
7	20.590	18.63	81.0	48.07	82.4	.0117	.7924	19.13.3	C	11 12 „
8	20.247	18.73	81.0	48.09	82.0	.0134	.7924	19.13.2	C	Midnight.
9	20.247	18.53	80.6	48.10	81.6	.0101	.7926	19.13.7	B	1 12 a. m.
10	20.110	18.66	80.0	48.24	81.3	.0122	.7941	19.14.0	B	2 12 „
11	20.042	18.30	79.8	48.27	81.2	.0063	.7947	19.14.6	B	3 12 „

On the 25th, at about 19h. 30m., Dip as obtained by Observation was 18°58′1.

DAILY OBSERVATIONS FROM 27TH TO 29TH OCTOBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Oct. 27th—12	19°699	18.58	79°3	48.27	80°5	.0109	.7947	19°14′5	B	4 12 a. m.
13	15.583	19.17	79.4	48.09	80.4	.0206	.7924	19.12.2	L	5 12 „
14	18.875	18.59	79.1	48.79	80.0	.0111	.8601	19.16 5	L	6 12 „
15	18.807	17.73	79.2	48.74	79.6	7.9970	.8006	19.18.1	L	7 12 „
16	21.345	17.73	79.6	49.30	79.6	.9970	.8058	19.20.4	L	8 12 „
17	23.060	17.53	80.4	48.90	80.1	.9937	.7992	19.18.0	C	9 12 „
18	21.688	17.68	81.6	47.92	80.8	.9994	.7906	19.14.0	C	10 12 „
19	20.179	17.89	82.9	47.80	81.7	.9996	.7893	19.13.3	C	11 12 „
20	19.836	18.27	84.2	47.49	83.0	8.0059	.7858	19.11.2	C	Noon.
21	19.836	18.24	85.5	47.26	84.0	.0054	.7833	19.10.3	B	1 12 p. m.
22	19.287	18.23	86.3	47.26	85.0	.0052	.7827	19.10.1	B	2 12 „
23	19.699	18.06	86.6	47.39	85.5	.0024	.7847	19.11.3	B	3 12 „
Oct. 28th-Noon.	20.247	17.82	85.9	47.72	85.5	7.9984	.7884	19.13.3	B	4 12 „
1	20.728	17.61	84.6	47.89	84.8	.9955	.7902	19.14.2	L	5 12 „
2	20.659	17.49	83.6	47.97	84.2	.9931	.7912	19.15.1	L	6 12 „
3	20.933	17.63	83.3	48.07	84.0	.9953	.7922	19.15.1	L	7 12 „
4	20.522	17.56	83.0	48.08	83.4	.9942	.7923	19.15.4	L	8 12 „
5	20.728	17.63	82.8	48.12	83.0	.9953	.7928	19.15.4	C	9 12 „
6	21.002	17.91	81.7	48.25	82.5	.9999	.7942	19.15.1	C	10 12 „
7	20.728	17.89	81.7	48.33	82.5	.9996	.7951	19.15.5	C	11 12 „
8	20.728	17.90	81.4	48.36	82.1	.9997	.7954	19.15.6	C	Midnight.
9	20.728	18.13	81.2	48.50	82.0	8.0035	.7970	19.15.7	B	1 12 a. m.
10	20.933	18.10	81.0	48.58	81.9	.0030	.7978	19.16.1	B	2 12 „
11	20.933	18.16	80.6	48.57	81.6	.0040	.7977	19.16.0	B	3 12 „
12	20.728	18.23	80.2	48.39	81.2	.0052	.7957	19.15.1	B	4 12 „
13	20.179	18.07	80.0	48.48	81.0	.0026	.7966	19.15.6	L	5 12 „
14	19.973	18.14	80.0	48.47	80.7	.0037	.7968	19.15.6	L	6 12 „
15	20.796	18.15	79.9	48.49	80.3	.0038	.7969	19.15.6	L	7 12 „
16	22.237	18.48	80.6	49.27	80.6	.0093	.8054	19.18.3	L	8 12 „
17	23.404	18.79	81.3	49.09	81.0	.0144	.8034	19.17.4	C	9 12 „
18	22.787	19.36	83.3	48.39	82.0	.0237	.7957	19.13.2	C	10 12 „
19	21.139	19.69	84.0	48.08	83.0	.0291	.7923	19.11.1	C	11 12 „
20	21.071	19.60	85.0	48.30	83.7	.0276	.7988	19.12.3	C	Noon.
21	21.758	19.12	86.0	48.06	84.6	.0197	.7921	19.12.2	B	1 12 p. m.
22	24.570	18.88	86.1	47.90	85.1	.0158	.7904	19.12.0	B	2 12 „
23	21.002	18.85	86.5	47.89	85.6	.0153	.7902	19.12.0	B	3 12 „
Oct. 29th-Noon.	21.139	18.49	86.0	47.99	85.5	.0095	.7913	19.13.2	R	4 12 „
1	21.139	17.90	85.1	48.02	85.3	7.9997	.7917	19.14.1	L	5 12 „
2	20.865	18.29	84.8	48.10	84.9	8.0059	.7926	19.13.7	L	6 12 „
3	20.728	18.10	84.4	48.16	84.7	.0030	.7932	19.14.3	L	7 12 „
4	20.865	18.11	84.0	48.18	84.3	.0032	.7934	19.14.4	L	8 12 „
5	20.933	17.83	83.4	48.06	84.0	7.9986	.7921	19.14.6	C	9 12 „
6	21.139	18.05	82.4	48.35	83.5	8.0022	.7953	19.15.3	C	10 12 „
7	20.865	18.11	82.0	48.36	83.0	.0032	.7954	19.15.2	C	11 12 „
8	20.728	18.09	81.9	48.39	82.9	.0029	.7957	19.15.4	C	Midnight.
9	21.208	18.32	81.3	48.45	82.4	.0066	.7964	19.15.3	R	1 12 a. m.
10	21.139	18.18	81.3	48.59	82.2	.0043	.7979	19.15.0	R	2 12 „
11	21.258	18.32	81.0	48.51	82.0	.0066	.7961	19.14.9	R	3 12 „
12	20.590	18.39	80.8	48.64	81.8	.0078	.7985	19.15.8	R	4 12 „
13	20.042	18.48	80.7	48.57	81.6	.0093	.7977	19.15.7	L	5 12 „
14	20.042	18.48	79.8	48.62	81.2	.0093	.7983	19.15.5	L	6 12 „
15	20.453	18.42	80.0	48.71	80.8	.0083	.7993	19.16.1	L	7 12 „
16	21.208	18.65	80.5	48.73	81.0	.0120	.7995	19.16.1	L	8 12 „
17	21.561	19.11	82.0	48.43	81.4	.0196	.7962	19.13.7	C	9 12 „
18	21.276	19.00	83.0	48.14	82.2	.0178	.7930	19.12.9	C	10 12 „
19	20.522	18.91	84.0	48.15	83.0	.0163	.7931	19.13.1	C	11 12 „
20	20.247	19.05	85.3	48.03	84.0	.0186	.7918	19.12.2	C	Noon.
21	20.247	18.64	86.0	47.95	84.5	.0119	.7909	19.12.7	R	1 12 p. m
22	20.385	18.82	86.4	47.82	85.0	.0148	.7995	19.11.8	R	2 12 „
23	21.139	18.64	86.5	47.92	85.6	.0119	.7906	19.12.6	R	3 12 „

On the 28th, at about 19h. 15m., Dip as obtained by Observation was 19°05′6.

DAILY OBSERVATIONS FROM 2ND TO 4TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 2nd-Noon.	20'247	18.87	87°0	46 26	90°3	8.0159	2.7723	19°05'0	R	4 12 p. m.
1	20.110	18.54	86.2	46.76	88.5	.0103	.7776	19.07.8	R	5 12 ,,
2	20.385	18.29	85.2	46.75	86.5	.0062	.7777	19.09.0	R	6 12 ,,
3	20.796	18.28	84.7	46.88	86.0	.0060	.7791	19.09.5	R	7 12 ,,
4	20.659	18.39	84.3	46.91	85.3	.0078	.7795	19.09.5	R	8 12 ,,
5	20.385	18.30	82.5	46.69	84.8	.0063	.7770	19.08.7	L	9 12 ,,
6	20.453	18.60	82.5	47.01	84.2	.0112	.7806	19.08.9	L	10 12 ,,
7	20.659	18.59	82.1	47.03	83.7	.0111	.7808	19.09.0	L	11 12 ,,
8	21.071	18.51	81.5	47.09	83.3	.0098	.7814	19.09.3	L	Midnight.
9	20.590	18.52	80.6	47.15	82.5	.0099	.7821	19.09.6	C	1 12 a. m.
10	20.247	18.62	81.0	47.26	82.1	.0115	.7833	19.09.8	C	2 12 ,,
11	19.973	18.62	80.7	47.28	82.0	.0115	.7835	19.09.9	C	3 12 ,,
12	19.767	18.65	80.3	47.25	81.4	.0120	.7832	19.09.7	C	4 12 ,,
13	19.767	18.77	80.2	47.45	81.0	.0141	.7854	19.10.4	R	5 12 ,,
14	19.013	18.96	79.8	47.43	80.6	.0171	.7852	19.09.9	R	6 12 ,,
15	19.699	18.95	80.0	47.60	80.6	.0169	.7871	19.10.6	R	7 12 ,,
16	20.796	19.27	81.0	47.52	80.9	.0223	.7862	19.09.5	R	8 12 ,,
17	21.415	19.57	82.0	47.28	81.4	.0272	.7835	19.08.0	L	9 12 ,,
18	21.071	19.64	82.9	47.06	82.0	.0283	.7811	19.06.9	L	10 12 ,,
19	20.247	19.93	84.0	46.92	82.7	.0330	.7796	19.05.6	L	11 12 ,,
20	20.865	19.90	85.0	46.99	83.6	.0325	.7803	19.05.9	L	Noon.
21	21.688	19.73	86.0	46.83	85.0	.0298	.7786	19.05.6	C	1 12 p. m.
22	21.688	19.52	87.0	46.67	86.0	.0263	.7769	19.05.4	C	2 12 ,,
23	21.688	19.17	87.0	46.65	86.0	.0206	.7767	19.06.1	C	3 12 ,,
Nov. 3rd-Noon.	20.796	18.65	86.2	46.48	85.7	.0120	.7747	19.06.5	C	4 12 ,,
1	20.385	18.33	85.2	46 51	85.4	.0068	.7751	19.07.9	R	5 12 ,,
2	20.659	18.77	84.5	46.84	84.5	.0141	.7777	19.07.4	R	6 12 ,,
3	20.453	18.30	83.9	47.02	84.0	.0063	.7807	19.09.2	R	7 12 ,,
4	20.110	18.21	83.6	47.07	83.6	.0049	.7812	19.09.4	R	8 12 ,,
5	20.590	18.14	83.0	47.15	83.3	.0037	.7821	19.10.0	L	9 12 ,,
6	21.071	18.15	82.4	47.24	83.0	.0038	.7831	19.10.4	L	10 12 ,,
7	21.002	18.39	81.8	47.33	82.5	.0078	.7841	19.10.3	L	11 12 ,,
8	21.415	18.30	81.4	47.33	82.4	.0063	.7841	19.10.5	L	Midnight.
9	21.482	18.02	81.0	47.36	82.0	.0017	.7844	19.11.1	C	1 12 a. m.
10	21.071	18.61	80.7	47.39	81.8	.0114	.7847	19.10.6	C	2 12 ,,
11	20.042	18.51	80.2	47.37	81.3	.0098	.7845	19.11.1	C	3 12 ,,
12	19.904	18.77	80.0	37.43	80.9	.0141	.7852	19.10.3	C	4 12 ,,
13	19.699	18.70	79.7	47.47	80.5	.0129	.7856	19.10.6	R	5 12 ,,
14	19.973	18.78	79.7	47.51	80.2	.0142	.7861	19.10.6	R	6 12 ,,
15	19.904	18.85	79.5	47.50	80.1	.0153	.7860	19.10.4	R	7 12 ,,
16	20.590	19.17	80.4	47.55	80.2	.0206	.7865	19.08.9	R	8 12 ,,
17	21.002	19.44	81.1	47.47	80.6	.0251	.7856	19.09.0	L	9 12 ,,
18	20.933	19.65	82.3	.4718	81.4	.0284	.7828	19.07.4	L	10 12 ,,
19	20.386	19.71	83.6	46.92	82.3	.0295	.7796	19.06.0	L	11 12 ,,
20	20.385	19.67	85.2	46.89	83.6	.0288	.7792	19.05.9	L	Noon.
21	21.071	19.38	86.4	46.86	84.7	.0240	.7789	19.06.5	C	1 12 p. m.
22	20.522	19.14	86.3	46.75	85.0	.0201	.7777	19.06.5	C	2 12 ,,
23	20.316	19.01	86.0	46.70	85.0	.0180	.7772	19.06.6	C	3 12 ,,
Nov. 4th-Noon.	19.904	18.90	85.3	46.72	85.0	.0161	.7774	19.06.9	C	4 12 ,,
1	19.767	18.84	84.3	46.79	84.5	.0152	.7781	19.07.3	R	5 12 ,,
2	19.973	18.68	83.8	46.91	83.8	.0125	.7795	19.08.2	R	6 12 ,,
3	20.110	18.57	83.2	47.00	83.2	.0108	.7805	19.08.9	R	7 12 ,,
4	20.110	18.59	82.9	47.06	82.9	.0111	.7811	19.09.1	R	8 12 ,,
5	20.385	18.41	82.0	47.23	82.6	.0082	.7830	19.09.9	B	9 12 ,,
6	20.522	18.52	81.5	47.32	82.4	.0099	.7840	19.10.4	B	10 12 ,,
7	20.796	18.66	81.0	47.38	81.9	.0122	.7846	19.10.3	B	11 12 ,,
8	20.453	18.68	80.8	47.40	81.6	.0125	.7849	19.10.3	B	Midnight.
9	21.002	18.89	81.0	47.49	81.6	.0160	.7858	19.10.3	C	1 12 a. m.
10	20.933	18.87	80.4	47.74	81.2	.0157	.7886	19.11.3	C	2 12 ,,
11	20.522	18.75	80.1	47.73	81.0	.0137	.7885	19.11.6	C	3 12 ,,

DAILY OBSERVATIONS FROM 4TH TO 8TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 4TH—12	20°247	18.83	79°7	47.58	80°9	8.0150	2.7868	19°10'7	C	4 12 a. m.
13	19.973	18.78	79.6	47.52	80.5	.0142	.7862	19.10.6	R	5 12 „
14	20.385	18.86	79.3	47.65	80.0	.0155	.7876	19.10.9	R	6 12 „
15	20.728	18.98	79.0	47.89	79.8	.0174	.7902	19.11.8	R	7 12 „
16	21.415	19.40	79.6	47.85	80.0	.0244	.7898	19.10.8	R	8 12 „
17	21.895	19.85	80.6	47.69	80.0	.0327	.7880	19.08.9	L	9 12 „
18	21.895	20.10	82.5	47.33	81.0	.0358	.7841	19.05.8	L	10 12 „
19	20.453	20.07	83.6	46.98	82.1	.0354	.7802	19.05.5	L	11 12 „
20	20.590	19.82	84.6	47.10	83.2	.0312	.7816	19.06.8	L	Noon.
21	20.796	19.63	85.7	47.02	84.6	.0281	.7807	19.06.8	C	1 12 p. m.
22	20.042	19.43	86.9	46.91	85.5	.0249	.7795	19.06 6	C	2 12 „
23	20.316	18.97	86.3	47.08	85.5	.0173	.7813	19.08.4	C	3 12 „
Nov. 7TH-Noon.	20.316	19.22	86.1	47.18	86.0	.0214	.7824	19.08.3	R	4 12 „
1	19.973	19.19	85.0	47.30	85.0	.0209	.7838	19.08.9	R	5 12 „
2	20.042	19.10	84.2	47.05	84.4	.0194	.7810	19.08.0	R	6 12 „
3	20.110	19.00	83.9	47.32	84.0	.0178	.7840	19.09.4	R	7 12 „
4	20.179	18.94	83.5	47.26	83.5	.0168	.7833	19.09.2	R	8 12 „
5	20.179	18.87	83.0	47.45	83.3	.0157	.7854	19.10.1	L	9 12 „
6	20.179	18.87	82.3	47.47	83.0	.0157	.7856	19.10.2	L	10 12 „
7	20.453	18.91	81.9	47.40	82.6	.0163	.7849	19.09.9	L	11 12 „
8	20.453	19.16	81.5	47.47	82.3	.0204	.7856	19.09.7	L	Midnight.
9	20.316	19.11	81.4	47.56	82.1	.0196	.7866	19.10.1	C	1 12 a. m.
10	19.595	18.97	81.1	47.55	82.0	.0173	.7865	19.10.4	C	2 12 „
11	20.659	19.07	81.0	47.58	82.0	.0190	.7868	19.10.2	C	3 12 „
12	20.385	19.02	81.0	47.62	82.0	.0182	.7873	19.10.6	C	4 12 „
13	20.247	18.96	80.8	47.63	81.5	.0171	.7874	19.10.7	R	5 12 „
14	19.356	18.93	80.5	47.69	81.2	.0166	.7880	19.11.0	R	6 12 „
15	20.385	18.98	80.5	47.78	81.0	.0174	.7890	19.11.4	R	7 12 „
16	21.551	19.44	81.4	47.83	81.2	.0251	.7896	19.10.5	R	8 12 „
17	22.444	19.95	82.2	47.55	81.6	.0333	.7865	19.08.3	L	9 12 „
18	22.032	20.21	83.6	47.07	82.3	.0377	.7812	19.05.6	L	10 12 „
19	20.179	20.36	84.7	46.84	83.4	.0401	.7787	19.04.4	L	11 12 „
20	19.767	20.21	86.0	46.98	84.5	.0377	.7802	19.05.2	L	Noon.
21	20.247	19.87	86.2	47.15	84.9	.0321	.7821	19.06.7	C	1 12 p. m.
22	20.385	19.64	86.4	47.05	85.4	.0283	.7810	19.06.9	C	2 12 „
23	20.385	19.51	86.6	46.96	85.5	.0262	.7791	19.06.3	C	3 12 „
Nov. 8TH-Noon.	20.110	19.36	85.9	47.01	85.6	.0227	.7806	19.07.3	C	4 12 „
1	19.836	19.15	85.0	46.93	85.0	.0202	.7797	19.07.4	R	5 12 „
2	19.836	19.15	84.5	47.01	84.4	.0202	.7806	19.07.7	R	6 12 „
3	20.042	19.02	84.2	47.07	84.0	.0181	.7812	19.08.2	R	7 12 „
4	19.904	18.94	83.7	47.19	83.8	.0168	.7825	19.08.9	R	8 12 „
5	19.836	18.92	83.3	47.33	83.5	.0164	.7841	19.09.6	L	9 12 „
6	20.042	18.95	82.8	47.45	83.2	.0169	.7854	19.10.0	L	10 12 „
7	20.179	19.01	82.2	47.52	83.0	.0180	.7862	19.10.1	L	11 12 „
8	20.453	19.06	81.9	47.52	82.4	.0188	.7862	19.09.9	L	Midnight.
9	20.247	19.19	81.4	47.59	82.0	.0219	.7869	19.09.8	C	1 12 a. m.
10	19.973	19.29	81.4	47.53	82.0	.0226	.7863	19.09.5	C	2 12 „
11	19.561	19.34	81.5	47.26	82.1	.0234	.7833	19.08.4	C	3 12 „
12	19.630	19.33	81.1	47.27	82.0	.0232	.7838	19.08.6	C	4 12 „
13	19.630	19.25	80.9	47.35	81.8	.0219	.7843	19.08.9	R	5 12 „
14	19.081	19.34	80.6	47.39	81.6	.0234	.7848	19.09.0	R	6 12 „
15	19.561	19.50	80.7	47.43	81.0	.0260	.7852	19.08.7	R	7 12 „
16	21.002	19.74	81.5	47.57	81.0	.0300	.7867	19.08.8	R	8 12 „
17	21.482	19.92	82.3	47.53	81.6	.0328	.7863	19.08.2	L	9 12 „
18	21.758	20.19	83.3	47.13	82.3	.0373	.7819	19.06.0	L	10 12 „
19	20.796	20.23	84.2	46.78	83.2	.0380	.7782	19.04.4	L	11 12 „
20	19.630	20.23	85.9	46.65	84.3	.0380	.7766	19.03.8	L	Noon.
21	19.836	19.95	86.1	46.70	84.9	.0333	.7772	19.04.6	C	1 12 p. m.
22	19.630	19.73	86.7	46.65	85.1	.0298	.7766	19.04.8	C	2 12 „
23	19.973	19.40	86.7	46.70	85.6	.0244	.7772	19.05.8	C	3 12 „

DAILY OBSERVATIONS FROM 9TH TO 11TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 9TH—Noon.	20'110	19.21	85°8	46.80	85°4	8.0213	2.7783	19°06'7	C	4 12 p. m.
1	19.973	19.31	85.0	46.81	85.0	.0229	.7784	19.06.4	R	5 12 ,,
2	19.904	19.08	84.2	46.90	84.0	.0191	.7794	19.07.3	R	6 12 ,,
3	20.316	19.02	83.9	47.02	83.9	.0181	.7807	19.08.1	R	7 12 ,,
4	20.316	18.98	83.5	47.05	83.6	.0174	.7810	19.08.3	R	8 12 ,,
5	20.385	18.91	82.8	46.98	83.2	.0163	.7802	19.08.0	L	9 12 ,,
6	20.453	18.90	82.1	47.11	83.0	.0161	.7817	19.08.7	L	10 12 ,,
7	20.659	19.14	81.8	47.13	82.6	.0201	.7819	19.08.2	L	11 12 ,,
8	20.522	19.07	81.7	47.25	82.3	.0190	.7832	19.08.8	L	Midnight.
9	20.385	19.14	81.4	47.31	82.1	.0201	.7839	19.09.0	C	1 12 a. m.
10	20.110	19.22	81.2	47.26	82.1	.0214	.7833	19.08.7	C	2 12 ,,
11	20.110	19.13	81.0	47.26	82.0	.0199	.7833	19.08.8	C	3 12 ,,
12	19.836	19.27	80.5	47.20	81.5	.0223	.7827	19.08.3	C	4 12 ,,
13	19.424	19.30	80.4	47.16	81.2	.0227	.7822	19.07.9	R	5 12 ,,
14	19.218	19.29	80.2	47.18	81.0	.0226	.7824	19.08.0	R	6 12 ,,
15	19.630	19.37	80.6	47.39	81.0	.0239	.7847	19.08.9	R	7 12 ,,
16	21.071	19.54	80.8	47.43	81.1	.0267	.7852	19.08.6	R	8 12 ,,
17	21.688	19.66	81.9	47.07	81.7	.0286	.7812	19.06.7	L	9 12 ,,
18	21.415	19.82	83.6	46.56	82.7	.0312	.7756	19.04.4	L	10 12 ,,
19	20.316	20.02	85.3	46.76	84.0	.0345	.7778	19.04.6	L	11 12 ,,
20	19.630	20.03	86.0	46.14	84.8	.0347	.7710	19.02.0	L	Noon.
21	19.013	19.80	86.9	46.05	85.5	.0309	.7700	19.02.2	C	1 12 p. m.
22	18.395	19.59	87.0	46.15	85.9	.0275	.7711	19.03.0	C	2 12 ,,
23	18.395	19.47	86.9	46.46	86.0	.0256	.7745	19.04.6	C	3 12 ,,
Nov. 10TH—Noon.	19.150	19.34	85.9	46.70	85.6	.0234	.7772	19.05.9	C	4 12 ,,
1	19.630	19.40	84.6	46.77	85.0	.0244	.7779	19.06.1	R	5 12 ,,
2	19.561	19.26	84.0	46.83	84.4	.0237	.7786	19.06.4	R	6 12 ,,
3	19.904	19.09	83.5	46.92	84.0	.0193	.7796	19.07.4	R	7 12 ,,
4	20.179	19.06	83.2	47.00	83.7	.0188	.7805	19.07.8	R	8 12 ,,
5	19.904	19.02	83.0	47.05	83.5	.0181	.7810	19.08.2	L	9 12 ,,
6	20.385	19.04	82.0	47.14	83.0	.0185	.7825	19.08.6	L	10 12 ,,
7	20.728	19.09	81.7	47.23	82.5	.0193	.7830	19.08.8	L	11 12 ,,
8	20.659	19.03	81.9	47.41	82.0	.0183	.7839	19.09.3	L	Midnight.
9	20.522	18.84	81.6	47.47	82.0	.0152	.7846	19.09.9	C	1 12 a.m.
10	21.071	18.74	81.0	47.46	81.8	.0136	.7844	19.10.0	C	2 12 ,,
11	20.385	18.98	80.9	47.47	81.6	.0174	.7846	19.09.7	C	3 12 ,,
12	20.110	18.96	80.5	47.46	81.4	.0171	.7844	19.09.6	C	4 12 ,,
13	19.973	19.05	80.0	47.38	81.1	.0186	.7836	19.09.0	R	5 12 ,,
14	19.561	19.37	79.9	47.32	80.5	.0239	.7829	19.08.1	R	6 12 ,,
15	20.316	19.44	79.7	47.71	80.2	.0251	.7883	19.10.0	R	7 12 ,,
16	21.415	19.78	80.3	47.80	80.0	.0306	.7893	19.09.7	R	8 12 ,,
17	22.718	20.13	81.2	47.40	80.5	.0363	.7849	19.07.3	L	9 12 ,,
18	22.787	20.12	82.6	47.02	81.4	.0361	.7807	19.05.7	L	10 12 ,,
19	21.619	20.31	84.0	46.52	82.5	.0393	.7752	19.03.1	L	11 12 ,,
20	21.071	20.22	85.0	46.44	83.4	.0378	.7743	19.03.0	L	Noon.
21	21.415	20.02	86.0	46.48	84.1	.0345	.7747	19.03.5	C	1 12 p. m.
22	21.002	19.94	86.5	46.16	85.2	.0332	.7712	19.02.3	C	2 12 ,,
23	20.453	19.87	86.5	46.41	85.5	.0321	.7740	19.03.6	C	3 12 ,,
Nov. 11TH—Noon.	20.179	19.53	85.5	46.60	85.0	.0265	.7761	19.05.1	C	4 12 ,,
1	20.247	19.37	84.4	46.68	84.4	.0239	.7769	19.05.7	R	5 12 ,,
2	19.836	19.02	83.6	46.76	83.7	.0181	.7778	19.06.9	R	6 12 ,,
3	19.973	18.94	83.2	46.83	83.5	.0168	.7786	19.07.5	R	7 12 ,,
4	20.110	18.94	82.9	46.89	83.0	.0168	.7792	19.07.5	R	8 12 ,,
5	20.179	18.78	81.9	47.07	82.2	.0142	.7812	19.08.9	L	9 12 ,,
6	20.385	18.85	81.0	47.11	82.0	.0153	.7817	19.08.8	L	10 12 ,,
7	20.933	18.85	80.5	47.18	81.4	.0153	.7824	19.09.0	L	11 12 ,,
8	20.728	18.97	80.0	47.23	81.1	.0173	.7830	19.09.1	L	Midnight.
9	20.522	19.16	79.6	47.27	80.6	.0204	.7834	19.08.8	C	1 12 a. m.
10	20.316	19.18	79.6	47.25	80.3	.0207	.7832	19.08.6	C	2 12 ,,
11	19.904	19.25	79.7	47.38	80.1	.0219	.7856	19.09.4	C	3 12 ,,

DAILY OBSERVATIONS FROM 11TH TO 14TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 11TH—12	19°767	19.23	79°0	47.38	80°0	8.0216	2.7856	19°09'4	C	4 12 a. m.
13	19.699	19.17	78.8	47.09	79.8	.0206	.7814	19.07.9	R	5 12 „
14	18.807	19.29	78.2	46.79	79.5	.0226	.7771	19.05.9	R	6 12 „
15	19.356	19.58	78.5	47.13	79.4	.0273	.7819	19.07.3	R	7 12 „
16	20.776	19.85	79.6	47.28	79.2	.0317	.7835	19.07.3	R	8 12 „
17	21.826	20.16	80.5	47.05	80.0	.0368	.7810	19.05.7	L	9 12 „
18	21.139	20.57	81.8	46.60	80.6	.0436	.7761	19.02.8	L	10 12 „
19	20.247	21.05	83.7	46.26	82.0	.0514	.7723	19.00.5	L	11 12 „
20	20.179	21.06	85.0	46.21	83.0	.0516	.7718	19.00.1	L	Noon.
21	20.865	20.56	85.9	46.39	84.0	.0434	.7724	19.01.5	C	1 12 p. m.
22	20.179	20.54	86.4	46.10	85.0	.0431	.7706	19.00.8	C	2 12 „
23	20.865	20.28	86.5	46.26	85.3	.0388	.7723	19.02.0	C	3 12 „
Nov. 12TH—Noon.	21.002	19.73	85.9	46.21	84.9	.0298	.7718	19.03.0	C	4 12 „
1	20.522	19.27	85.0	46.24	84.5	.0223	.7721	19.04.1	R	5 12 „
2	20.522	18.91	83.9	46.31	83.8	.0163	.7729	19.05.2	R	6 12 „
3	20.042	19.18	83.3	46.35	83.4	.0207	.7733	19.04.8	R	7 12 „
4	19.836	19.24	82.9	46.44	83.0	.0218	.7743	19.05.0	R	8 12 „
5	20.385	18.96	82.1	46.58	82.5	.0171	.7758	19.06.3	L	9 12 „
6	20.659	19.00	81.1	46.64	82.0	.0178	.7765	19.06.4	L	10 12 „
7	21.002	19.05	80.1	46.68	81.4	.0186	.7769	19.06.3	L	11 12 „
8	20.933	19.10	80.0	46.78	81.0	.0194	.7780	19.06.8	L	Midnight.
9	20.796	19.19	79.7	46.75	80.6	.0209	.7777	19.06.5	C	1 12 a.m.
10	20.247	19.33	79.0	46.62	80.0	.0232	.7763	19.05.6	C	2 12 „
11	20.453	19.51	79.0	46.29	79.8	.0262	.7716	19.03.4	C	3 12 „
12	19.767	19.41	78.7	46.58	79.2	.0246	.7758	19.05.2	C	4 12 „
13	19.699	19.34	78.2	46.42	79.0	.0234	.7741	19.04.8	R	5 12 „
14	19.356	19.41	77.5	46.66	78.8	.0246	.7767	19.05.5	R	6 12 „
15	19.287	19.66	77.8	46.86	78.6	.0286	.7789	19.05.8	R	7 12 „
16	20.590	19.74	78.7	46.90	78.8	.0300	.7794	19.06.9	R	8 12 „
17	21.208	19.96	79.6	46.80	79.2	.0335	.7783	19.04.8	L	9 12 „
18	20.522	20.24	81.1	46.48	80.0	.0372	.7747	19.03.3	L	10 12 „
19	19.767	20.65	82.6	46.05	81.0	.0448	.7700	19.00.3	L	11 12 „
20	19.493	20.54	83.9	45.79	82.3	.0431	.7661	18.59.0	L	Noon.
21	19.699	20.15	84.9	45.70	83.6	.0366	.7662	18.59.8	C	1 12 p.m.
22	19.013	20.03	85.8	45.64	84.6	.0347	.7655	18.59.9	C	2 12 „
23	19.218	19.94	86.3	45.75	85.0	.0332	.7667	19.00.6	C	3 12 „
Nov. 14TH—Noon.	19.904	19.47	85.7	45.85	85.0	.0256	.7678	19.01.9	R	4 12 „
1	19.561	19.36	84.5	46.02	84.0	.0237	.7697	19.03.0	R	5 12 „
2	19.836	19.22	83.5	46.25	83.4	.0214	.7722	19.04.3	R	6 12 „
3	20.179	18.96	83.0	46.29	83.0	.0171	.7726	19.05.0	R	7 12 „
4	19.973	18.82	82.2	46.31	82.4	.0148	.7729	19.05.3	R	8 12 „
5	20.247	18.71	81.2	46.23	81.8	.0131	.7720	19.05.3	L	9 12 „
6	20.865	18.63	80.2	46.40	81.3	.0117	.7739	19.06.1	L	10 12 „
7	20.522	18.98	79.4	46.48	80.7	.0174	.7747	19.05.9	L	11 12 „
8	20.590	18.99	79.2	46.56	80.4	.0176	.7756	19.06.1	L	Midnight.
9	20.316	18.91	78.5	46.65	80.0	.0163	.7766	19.06.6	C	1 12 a. m.
10	20.110	18.91	78.2	46.60	79.8	.0163	.7761	19.06.4	C	2 12 „
11	20.316	19.05	78.4	46.72	79.6	.0186	.7772	19.06.4	C	3 12 „
12	19.493	19.02	78.8	46.75	79.5	.0263	.7777	19.05.7	C	4 12 „
13	19.767	19.31	78.4	46.76	79.2	.0229	.7778	19.06.2	R	5 12 „
14	20.247	19.30	78.1	47.02	79.0	.0227	.7807	19.07.4	R	6 12 „
15	20.316	19.48	78.4	47.14	78.8	.0257	.7820	19.07.5	R	7 12 „
16	21.071	19.73	79.0	47.07	79.0	.0298	.7812	19.06.6	R	8 12 „
17	21.345	19.90	80.0	46.90	79.3	.0325	.7794	19.05.5	L	9 12 „
18	21.071	20.07	81.4	46.41	80.0	.0354	.7744	19.03.3	L	10 12 „
19	20.590	19.98	82.8	46.39	81.2	.0338	.7737	19.03.3	L	11 12 „
20	21.139	19.66	84.0	46.39	82.3	.0286	.7737	19.03.9	L	Noon.
21	21.002	19.31	85.0	46.13	83.5	.0229	.7713	19.03.5	C	1 12 p.m
22	20.590	19.08	85.9	46.08	84.3	.0191	.7708	19.03.8	C	2 12 „
23	20.179	18.80	85.6	46.17	84.2	.0145	.7713	19.04.7	C	3 12 „

On the 11th, at about 19h. 45m., Dip as obtained by Observation was 19°17'5.
On the 12th, at about 19h. 45m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 15TH TO 17TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 15TH-Noon.	19·767	18.53	84·9	46.16	84·0	8.0101	2.7712	19°05′3	C	4 12 p. m.
1	20.385	18.48	84.1	46.36	83.6	.0093	.7734	19.06.9	R	5 12 „
2	20.522	18.46	83.4	46.49	83.0	.0090	.7748	19.07.5	R	6 12 „
3	20.865	18.63	82.8	46.56	82.5	.0117	.7756	19.06.8	R	7 12 „
4	21.002	18.39	82.0	46.66	82.1	.0078	.7767	19 08.4	R	8 12 „
5	22.101	18.46	80.9	46.94	81.4	.0090	.7770	19.08.5	L	9 12 „
6	20.933	18.49	79.8	46.70	80.9	.0095	.7772	19.07.6	L	10 12 „
7	21.071	18.76	80.0	46.82	80.5	.0139	.7785	19.07.7	L	11 12 „
8	20.865	18.81	79.5	46.83	80.4	.0147	.7786	19.07.5	L	Midnight.
9	20.933	18.68	79.0	46.88	80.0	.0158	.7791	19.07.6	C	1 12 a. m.
10	20.659	18.79	78.9	46.76	80.0	.0144	.7778	19.07.4	C	2 12 „
11	19.973	18.96	78.9	46.78	79.8	.0171	.7780	19.07.1	C	3 12 „
12	19.904	18.88	78.6	46.84	79.5	·0158	.7787	19.07.5	C	4 12 „
13	19.767	19.15	78.8	46.88	79.2	.0202	.7791	19.07.1	R	5 12 „
14	19.287	19.17	78.5	46.91	79.0	.0206	.7795	19.07.2	R	6 12 „
15	19.493	19.11	78.5	47.08	78.8	.0196	.7813	19.08.0	R	7 12 „
16	20.042	19.27	79.1	47.17	79.0	.0223	.7823	19.08.1	R	8 12 „
17	20.522	19.53	80.2	47.03	79.4	.0265	.7808	19.07.0	L	9 12 „
18	21.139	19.58	81.3	46.78	80.0	.0273	.7780	19.05.8	L	10 12 „
19	20.933	19.44	82.6	46.75	81.0	.0251	.7777	19.05.9	L	11 12 „
20	20.453	19.63	84.2	46.55	82.3	.0281	.7755	19.04.8	L	Noon.
21	20.453	19.56	85.4	46.41	83.5	·0270	.7740	19.04.5	C	1 12 p. m.
22	20.110	19.43	86.0	46.23	84.4	.0249	.7720	19.03.7	C	2 12 „
23	20.042	19.32	86.0	45.95	85.0	.0230	.7689	19.02.7	C	3 12 „
Nov. 16TH-Noon.	19.630	19.08	85.3	46.00	84.9	.0191	.7695	19.03.5	C	4 12 „
1	20.042	18.87	85.0	46.22	84.0	.0157	.7719	19.04.8	R	5 12 „
2	20.385	18.66	83.6	46.40	83.2	.0122	.7739	19.06.1	R	6 12 „
3	20.728	18.77	83.0	46.54	83.0	.0141	.7754	19.06.5	R	7 12 „
4	20.865	18.71	82.4	46.58	82.6	.0131	.7758	19.06.8	R	8 12 „
5	21.071	18.54	81·4	46.73	81.7	.0103	.7775	19.07.8	L	9 12 „
6	21.482	18.26	79.8	46.74	81.2	.0057	.7776	19.08.9	L	10 12 „
7	21.139	19.20	80.0	46.74	80.8	.0211	.7776	19.06.4	L	11 12 „
8	21.276	18.93	79.6	46.83	80.4	.0166	.7786	19.07.4	L	Midnight.
9	21.139	18.84	79.0	46.90	80.1	.0152	.7794	19.07.8	C	1 12 a. m.
10	21.345	18.77	78.0	46.98	79.4	.0141	.7802	19.08.3	C	2 12 „
11	20.933	18.92	78.0	47.08.	79.2	.0164	.7813	19.08.5	C	3 12 „
12	20.042	18.97	77.8	47.02	79.0	.0173	.7807	19.08.3	C	4 12 „
13	19.904	19.05	77.7	46.91	78.8	.0186	.7795	19.07.4	R	5 12 „
14	19.493	19.20	77.6	47.06	78.6	.0211	.7811	19.07.3	R	6 12 „
15	19.150	19.62	77.6	47.23	77.6	.0279	.7830	19.07.7	R	7 12 „
16	20.179	19.96	78.3	47.48	77.5	.0335	.7847	19.07.6	R	8 12 „
17	20.316	20.18	79.0	47.36	78.0	.0371	.7834	19.06.6	L	9 12 „
18	19.493	20.43	80.8	46.99	79.1	.0413	.7803	19.04.9	L	10 12 „
19	18.944	20.59	82.8	46.62	80.7	.0439	.7763	19.02.9	L	11 12 „
20	19.287	20.53	84.3	46.41	82.1	.0429	.7740	19.02.2	L	Noon.
21	20.590	20.24	84.9	46.61	83.0	.0382	.7762	19.03.6	C	1 12 p. m.
22	21.826	19.85	85.4	46.51	84.0	.0317	.7751	19.04.0	C	2 12 „
23	21.619	19.69	85.8	46.40	84.8	.0291	.7739	19.03.9	C	3 12 „
Nov. 17TH-Noon.	21.002	19.50	85.5	46.40	84.1	.0260	.7739	19.04.3	C	4 12 „
1	20.042	19·38	84.3	46.46	83.6	.0240	.7745	19.04.9	R	5 12 „
2	20.247	19.25	83.2	46.59	83.1	.0219	.7759	19.05.6	R	6 12 „
3	20.590	19.12	82.2	46.91	82.0	.0197	.7795	19.07.3	R	7 12 „
4	20.659	19.23	81.8	47.01	81.6	.0216	.7805	19.07.4	R	8 12 „
5	20.728	19.12	80.9	47.12	81.2	.0197	.7818	19.08.2	L	9 12 „
6	20.659	19.02	79.9	47.27	80.6	.0181	.7834	19.09.1	L	10 12 „
7	20.453	19.38	79.2	47.32	80.0	.0240	.7840	19.08.6	L	11 12 „
8	20.522	19.33	79.0	47.44	79.6	.0232	.7853	19.09.2	L	Midnight.
9	20.453	19.37	78.9	47.38	79.5	.0239	.7846	19.08.8	C	1 12 a. m.
10	20·110	19.46	78.4	47.35	79.0	.0254	.7843	19.08.5	C	2 12 „
11	19.870	19.34	78.0	47·40	78.7	.0234	.7849	19.09.0	C	3 12 „

DAILY OBSERVATIONS FROM 17TH TO 19TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 17TH—12	19°973	19.16	77°0	47.44	78°1	8.0204	2.7853	19°09'6	C	4 12 a. m.
13	19.836	19.25	76.8	47.53	77.5	.0219	.7863	19.09.6	R	5 12 „
14	19.699	19.35	76.6	47.32	77.4	.0235	.7840	19.08.6	R	6 12 „
15	19.904	19.49	76.6	47.47	77.2	.0259	.7856	19.08.9	R	7 12 „
16	20.796	19.93	77.5	47.57	77.4	.0330	.7867	19.08.4	R	8 12 „
17	21.002	20.07	78.6	47.55	77.8	.0354	.7865	19.08.0	L	9 12 „
18	20.659	20.58	80.0	47.00	78.7	.0437	.7805	19.04.6	L	10 12 „
19	20.247	20.45	81.6	46.94	79.6	.0416	.7798	19.04.5	L	11 12 „
20	20.659	20.32	83.2	46.90	80.8	.0394	.7794	19.04.7	L	Noon.
21	21.963	19.90	84.0	46.91	81.9	.0325	.7795	19.05.6	C	1 12 p. m.
22	22.237	19.59	84.8	46.81	83.0	.0275	.7784	19.05.8	C	2 12 „
23	22.237	19.25	85.3	46.68	84.0	.0219	.7769	19.05.9	C	3 12 „
Nov. 18TH—Noon.	21.139	19.30	85.2	46.71	83.6	.0227	.7773	19.06.0	C	4 12 „
1	20.385	19.01	84.2	46.77	83·0	.0180	.7779	19.06.9	R	5 12 „
2	20.590	18.87	83.2	46.98	82.5	.0157	.7802	19.08.0	R	6 12 „
3	20.796	18.56	82.3	47.03	82.0	.0106	.7808	19·09.0	R	7 12 „
4	21.895	18.65	81.5	47.29	81.2	.0120	.7836	19.09.9	R	8 12 „
5	21.208	18.46	80.6	47.40	80.9	.0090	.7849	19.10.4	L	9 12 „
6	21.071	18.45	79.6	47.51	80.3	.0088	.7861	19.10.8	L	10 12 „
7	20.796	18.68	79.0	47.47	79.7	.0125	.7856	19.10.6	L	11 12 „
8	21.002	18.77	78.9	47.68	79.2	.0141	.7879	19.11.3	L	Midnight.
9	21.071	18.72	79.0	47.72	79.1	.0132	.7884	19.11.6	C	1 12 a. m.
10	21.310	18.92	78.6	47.74	79.0	.0164	.7876	19.10.9	C	2 12 „
11	20.796	18.85	78.3	47.67	78.8	.0153	.7878	19.11.1	C	3 12 „
12	20.933	18.88	78.0	47.70	78.4	.0158	.7882	19.11.1	C	4 12 „
13	20.728	18.85	77.8	47.45	78.2	.0153	.7854	19.10.2	R	5 12 „
14	19.973	18.98	77.5	47.37	78.0	.0174	.7845	19.09.7	R	6 12 „
15	19.150	19.11	77.7	47.53	77.8	.0196	.7863	19.09.9	R	7 12 „
16	19.699	19.28	78.0	47.73	77.7	.0224	.7885	19.10.5	R	8 12 „
17	20.659	19.43	79.0	47.60	78.2	.0249	.7871	19.09.5	L	9 12 „
18	20.247	19.89	80.4	47.37	78.9	.0324	.7845	19.07.7	L	10 12 „
19	20.179	20.38	82.0	47·12	80.1	.0404	.7818	19.05.6	L	11 12 „
20	21.758	19.87	83.2	47.29	81.1	.0321	.7836	19.07.3	L	Noon.
21	22.168	19.59	84.4	47.06	82.1	.0275	.7811	19.06.9	C	1 12 p. m.
22	22.244	19.00	85.0	46.83	83.4	.0178	.7786	19.07.2	C	2 12 „
23	21.345	18.56	85.3	46.69	84.0	.0106	.7770	19.07.5	C	3 12 „
Nov. 19TH—Noon.	20.865	18.14	85.0	46.81	83.6	.0037	.7784	19.09.5	C	4 12 „
1	20.865	17.78	84.0	46.55	83.2	7.9978	.7755	19.08.4	R	5 12 „
2	21.208	17.50	82.8	47.03	82.5	.9932	.7808	19.11.0	R	6 12 „
3	23.060	17.85	82.2	47.21	82.0	.9989	.7828	19.11,0	R	7 12 „
4	22.168	17.29	81.5	47.20	81.5	.9898	.7827	19.12.2	R	8 12 „
5	22.374	17.73	80.6	47.30	81.0	.9970	.7838	19.11.7	L	9 12 „
6	21.895	17.92	79·9	47.37	80.4	8.0000	.7845	19.11.5	L	10 12 „
7	21.826	18.10	79.3	47.38	80.0	.0030	.7846	19.11.1	L	11 12 „
8	21.895	18.21	79.5	47.44	79.6	.0049	.7853	19.11.1	L	Midnight.
9	22.032	17.99	79.0	47·48	79.4	.0012	.7857	19.11.9	C	1 12 a. m.
10	21.139	18.13	78.5	47.42	79.0	.0035	.7851	19.11.2	C	2 12 „
11	20.453	18.31	78.4	47.41	79.0	.0065	.7850	19.10.8	C	3 12 „
12	20.179	18.40	78.0	47.47	79.0	.0080	.7856	19.10.9	C	4 12 „
13	19.561	18.62	78.2	47.56	78.5	.0115	.7866	19.11.0	R	5 12 „
14	19.081	18.94	78.0	48.04	78.0	.0168	.7919	19.12.5	R	6 12 „
15	18.875	19.22	78.0	48.08	77.8	.0214	.7923	19.12.2	R	7 12 „
16	18.601	19.56	78.7	48.18	77.8	.0270	.7934	19.11.8	R	8 12 „
17	19.904	19.61	79.7	48.19	78.4	.0278	.7935	19.11.8	L	9 12 „
18	20.385	19.89	81.0	47.96	79.2	.0324	.7906	19.10.0	L	10 12 „
19	20.247	20.14	82.6	47.79	80.3	.0365	.7891	19.09.8	L	11 12 „
20	20.659	20.36	84.0	47.71	81.5	.0401	.7883	19.08.1	L	Noon.
21	20.728	20.17	85.0	47.58	82.5	.0370	.7868	19.07.9	C	1 12 p. m.
22	20.865	19.91	84.7	47.39	83.0	.0327	.7847	19.07.7	C	2 12 „
23	20.796	19.73	84.5	47.37	83.0	.0298	.7845	19.08.0	C	3 12 „

On the 18th, at about 19h., Dip as obtained by Observation was 19°22'2.
On the 19th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 21ST TO 23RD NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 21st-Noon.	19·904	19.33	85°1	47.12	84°0	8.0232	2.7818	19°07·8	R	4 12 p. m.
1	19.836	19.27	83.7	47.15	83.4	.0223	.7821	19.08.0	R	5 12 ,,
2	20.453	19.18	82·8	47.33	82.7	.0207	.7841	19.09.0	R	6 12 ,,
3	20·865	18·98	81.8	47.41	82.1	.0174	.7850	19.09.9	R	7 12 ,,
4	20.659	18.94	81.2	47.42	81.5	.0168	.7851	19.09.9	R	8 12 ,,
5	20.659	18.92	80.8	47.50	81.0	.0164	.7860	19.10.3	L	9 12 ,,
6	20.796	18.86	79.9	47.52	80.6	.0155	.7862	19.10.3	L	10 12 ,,
7	20.796	19.03	79.4	47.59	80.3	.0183	.7869	19.10.4	L	11 12 ,,
8	20.933	19.05	79·5	47.63	80.2	.0186	.7874	19.10.4	L	Midnight.
9	21.071	18.95	79.4	47.65	80.1	.0169	.7876	19.10.8	C	1 12 a. m.
10	20.865	19.00	79.2	47.68	80.0	.0178	.7879	19.10.8	C	2 12 ,,
11	20.247	19.03	79.0	47.64	79.8	.0183	.7875	19.10.7	C	3 12 ,,
12	20.316	19·03	78.5	47.70	79.6	.0183	.7882	19.10.9	C	4 12 ,,
13	20.385	19.09	78.2	47.72	79.1	.0193	.7884	19.10.8	R	5 12 ,,
14	20.590	19.18	78.1	47.66	78.8	.0207	.7877	19.10.4	R	6 12 ,,
15	20.042	19.45	78.2	47.71	78·5	.0252	.7883	19.09.8	R	7 12 ,,
16	20.179	19.90	79.2	47.61	78.8	.0325	.7872	19.08.5	R	8 12 ,,
17	19.699	20.19	80.3	47.22	79.2	.0373	.7829	19.06.4	L	9 12 ,,
18	19.287	20.39	81.5	47.02	80.0	.0406	.7807	19.05.1	L	10 12 ,,
19	19.013	20.30	83.0	47.03	81.0	.0391	.7808	19.05.3	L	11 12 ,,
20	19.699	20.24	84.0	47.25	82.3	.0382	.7832	19.06.4	L	Noon.
21	21.208	19.85	85.0	47.35	83.5	.0317	.7843	19.07.6	C	1 12 p. m.
22	21.276	19.42	86.0	47.25	84.5	.0247	.7821	19.07.6	C	2 12 ,,
23	20.042	19.28	85.8	46.94	84.8	.0220	.7796	19.07.6	C	3 12 ,,
Nov. 22nd-Noon.	20.110	18.86	84.4	47.00	83.4	.0155	.7805	19.08.2	C	4 12 ,,
1	19.767	18.94	83.2	47.04	82.9	.0168	.7809	19.08·2	R	5 12 ,,
2	20.179	18.91	82.2	47.26	82·0	.0163	.7833	19.09.3	R	6 12 ,,
3	20.728	18.94	81.5	47.35	81.5	.0168	.7843	19.09.6	R	7 12 ,,
4	21.002	18.87	81·0	47.48	81.0	.0157	.7857	19.10.3	R	8 12 ,,
5	20.659	18.89	80.5	47.54	80.8	.0160	.7864	19.10.4	L	9 12 ,,
6	20.865	19.15	80.1	47.62	80.7	.0202	.7873	19·10.3	L	10 12 ,,
7	20.728	19.14	79.7	47.61	80.2	.0201	.7872	19.10.2	L	11 12 ,,
8	20.522	19.23	79.7	47.66	80.0	.0216	.7877	19.10.2	L	Midnight.
9	19·904	19.24	80.0	47.69	80.0	.0218	.7880	19.10.3	C	1 12 a. m.
10	20.316	19.25	80.0	47.70	80.1	.0219	.7882	19.10.3	C	2 12 ,,
11	20.247	19.20	79.5	47.70	80.0	.0211	.7882	19.10.5	C	3 12 ,,
12	20.385	19.15	79.1	47.70	80.0	.0202	.7882	19.10·6	C	4 12 ,,
13	20.179	19.26	79.1	47.54	79.8	.0221	.7864	19.10.6	R	5 12 ,,
14	19.218	19.55	79.5	47.49	79.8	.0268	.7858	19.08.9	R	6 12 ,,
15	19.013	19.70	79.5	47.54	79.5	.0293	.7864	19·08.7	R	7 12 ,,
16	19.356	20.12	80.0	47.53	79.4	.0361	.7863	19.07.8	R	8 12 ,,
17	19.150	20.44	80.5	47.40	79.9	.0415	.7849	19.06.5	L	9 12 ,,
18	19.218	20.72	82.0	47.24	80.6	.0460	.7831	19.05.3	L	10 12 ,,
19	19.561	20.84	83.8	47.11	82.0	.0480	.7817	19.04.6	L	11 12 ,,
20	20.385	20.77	85.3	47.12	83.2	.0469	.7818	19.04.7	L	Noon.
21	21.415	20.39	85.6	47.19	83.4	.0406	.7825	19.05.8	C	1 12 p. m.
22	21.758	20.11	85.9	46.97	84·0	.0360	.7801	19.04.5	C	2 12 ,,
23	21.208	19.84	85.5	46.84	84.2	.0316	.7787	19.05.4	C	3 12 ,,
Nov. 23rd-Noon.	20.728	19.68	84.7	46.84	84.0	.0289	.7787	19.05.8	C	4 12 ,,
1	20.179	19.57	83.6	46.95	83.5	.0272	.7799	19·06.5	R	5 12 ,,
2	20.179	19.39	83·0	47.01	83.0	.0242	.7806	19.07.2	R	6 12 ,,
3	20.385	19.22	82.5	47.04	82.5	.0214	.7809	19.07.7	R	7 12 ,,
4	20.179	19.34	82.3	47.04	82.5	.0234	.7809	19.07.4	R	8 12 ,,
5	19.973	19.23	82.2	47.25	82.3	.0216	.7832	19.08.4	L	9 12 ,,
6	20.316	19.29	82.2	47.35	82.3	.0226	.7843	19.08.8	L	10 12 ,,
7	20.590	19·22	82.0	47.36	82.1	.0214	.7844	19.09.1	L	11 12 ,,
8	20.728	19.28	81.7	47.41	82.0	.0224	.7850	19.09.0	L	Midnight.
9	20.728	19.36	81.8	47.36	82·0	.0237	.7844	19.08.7	C	1 12 a. m.
10	20.728	19.37	82.0	47.31	82.0	.0239	.7839	19.08.5	C	2 12 ,,
11	20.385	19.38	82.0	47.29	82.0	·0240	.7836	19.08.4	C	3 12 ,,

DAILY OBSERVATIONS FROM 23RD TO 25TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 23RD—12	20'316	19.34	81'9	47.23	82'0	8.0234	2,7835	19°08'5	C	4 12 a. m.
13	19.904	19.45	81.6	47.35	81.6	.0252	.7843	19.08.5	R	5 12 „
14	19.218	19.65	81.2	47.25	81.5	.0284	.7832	19.07.7	R	6 12 „
15	18.395	19.83	81.0	47.19	81.3	.0314	.7825	19.07.1	R	7 12 „
16	18.670	20.11	81.5	47·34	81.4	.0360	.7842	19.07.0	R	8 12 „
17	18.532	20.34	81.8	47·26	81.3	.0398	.7833	19.06.2	L	9 12 „
18	19.013	20.53	82.6	47.00	81.7	.0429	.7805	19.04.7	L	10 12 „
19	18.258	20.55	83.6	46.64	82.0	.0432	.7765.	19.03.1	L	11 12 „
20	18.464	20.65	84.5	46·67	83.0	.0448	.7768	19.02.9	L	Noon.
21	19·561	20.50	85.0	46.95	83.3	.0424	.7799	19.04.5	C	1 12 p. m.
22	20.110	20.22	84.4	47.11	83.5	.0378	.7817	19.05.9	C	2 12 „
23	20.659	20.01	84.0	47·10	83.3	.0344	.7816	19.06.3	C	3 12 „
Nov. 24TH-Noon.	20.385	19.82	83.6	47.13	83.1	.0312	.7819	19.06.8	C	4 12 „
1	20.385	19.41	83·0	47.09	83.0	.0247	.7814	19.07.3	R	5 12 „
2	20.590	19.10	82·6	47·13	82.5	.0194	.7819	19·08.3	R	6 12 „
3	20.590	19.29	82.4	47.13	82.8	.0226	.7819	19.07.8	R	7 12 „
4	20.110	19.26	82.4	47.12	82.6	.0221	.7818	19.07.9	R	8 12 „
5	20.110	19.19	82.3	47.13	82.5	.0209	.7819	19.08.1	L	9 12 „
6	20.110	19.11	82·1	47.19	82.3	.0196	.7825	19.08.5	L	10 12 „
7	20.110	19.27	82·0	47.34	82.1	.0223	.7842	19.08.8	L	11 12 „
8	20.933	19.24	81.3	47.34	81.9	.0218	.7842	19.08·8	L	Midnight.
9	20.042	19.51	81.2	47·30	81.7	.0262	.7838	19.08.2	C	1 12 a. m.
10	20.179	19.33	81.2	47.30	81.7	.0232	.7838	19.08.6	C	2 12 „
11	20.247	19.17	81.2	47.62	81.6	.0206	.7873	19.10.2	C	3 12 „
12	19.973	19.22	81.1	47.40	81.5	.0214	.7849	19.09.3	C	4 12 „
13	19.836	19.33	81.2	47·45	81.5	.0232	.7854	19.09.2	R	5 12 „
14	19.767	19.34	81.0	47.46	81.2	.0234	.7855	19.09.3	R	6 12 „
15	19.630	19.34	81.0	47.53	81.0	.0234	.7863	19.09.5	R	7 12 „
16	19.973	19.65	82.0	47.53	81.1	.0284	.7863	19.08.9	R	8 12 „
17	20.522	19.88	82.7	47.40	81.7	.0322	.7849	19.07.8	L	9 12 „
18	20.042	20.05	84.0	47.12	82.3	.0350	.7818	19.06.2	L	10 12 „
19	19.493	20.02	85·0	47.00	83.2	.0345	.7805	19.05.7	L	11 12 „
20	20.316	20.06	86·3	47.11	84.2	.0352	.7817	19.06.2	L	Noon.
21	20.659	19.88	86.9	47.00	85.0	.0322	.7805	19.06.1	C	1 12 p. m.
22	20.933	19.57	87.4	46.86	85.8	.0272	.7789	19.06.1	C	2 12 „
23	20.590	19.44	86.8	46.76	85.7	.0251	.7778	19.05.9	C	3 12 „
Nov. 25TH-Noon.	20.316	19.18	85.8	46.78	85.0	.0207	.7780	19.06.6	C	4 12 „
1	20.179	19.18	84.8	46.79	84.5	.0207	.7781	19.06.6	R	5 12 „
2	20.590	18.80	83.8	47.01	83.5	.0145	.7806	19.08.3	R	6 12 „
3	21.002	18.48	83.0	47.07	83.3	.0093	.7812	19.08.9	R	7 12 „
4	20.728	18.57	83.0	47.09	83.0	.0108	.7814	19.09.2	R	8 12 „
5	20.590	18·58	82.9	47.11	83.0	.0109	.7817	19.09.4	L	9 12 „
6	20.453	18.73	82.6	47.14	82.9	.0134	.7820	19.09.2	L	10 12 „
7	20.385	18.81	82.6	47.23	82.8	.0147	.7830	19.09.3	L	11 12 „
8	20.247	18.85	82.6	47.26	82.8	.0153	.7833	19.09.4	L	Midnight.
9	20.179	18.97	82.5	47.23	82.9	.0173	.7830	19.08.1	C	1 12 a. m.
10	20.110	18.97	82.3	47.29	82.9	.0173	.7836	19.09.3	C	2 12 „
11	19.836	19.01	82.1	47.30	82.8	.0180	.7838	19.09.3	C	3 12 „
12	19.630	19.14	82.0	47.30	82.6	.0201	.7838	19.09.0	C	4 12 „
13	19.630	19.25	82.0	47.32	82.4	.0219	.7841	19.08.8	R	5 12 „
14	19.767	19.27	82.0	47.27	82.2	.0223	.7834	19.08.5	R	6 12 „
15	19.493	19.34	82.0	47.20	82.1	.0234	.7827	19.08.2	R	7 12 „
16	19.767	19.61	83.0	47·12	82.3	.0278	.7818	19.07.2	R	8 12 „
17	20.316	19.79	83.9	47.09	83.0	.0308	.7814	19.06.5	L	9 12 „
18	20.316	20.04	85.2	46.83	83.6	.0349	.7786	19.04.9	L	10 12 „
19	19.493	20.20	86.5	46.65	84.9	.0375	.7766	19.03.8	L	11 12 „
20	19.836	20.18	87.4	46·68	85.9	.0371	.7769	19.04.0	L	Noon.
21	20.728	19·94	87.9	46.79	86.4	.0332	.7781	19.05.9	C	1 12 p. m.
22	21.139	19.71	88.0	46·63	86.9	.0295	.7764	19.04.7	C	2 12 „
23	21.071	19.42	87.6	46.49	86.8	.0247	.7748	19.04.8	C	3 12 „

On the 25th, at about 19h., Dip as obtained by Observation was 19°07'5.

DAILY OBSERVATIONS FROM 26TH TO 29TH NOVEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Nov. 26TH-Noon.	20°522	19.26	86°3	46.55	86°0	8.0221	2.7755	19°05′5	C	4 12 p. m.
1	20.316	18.99	85.8	46.67	85.8	.0176	.7768	19.06.5	R	5 12 „
2	21.071	18.37	85.0	46.65	85.0	.0075	.7766	19.08.3	R	6 12 „
3	20.728	18.40	84.5	46.74	84.5	.0080	.7776	19.08.5	R	7 12 „
4	20.865	18.53	84.0	46·80	84.0	.0101	.7783	19.08.1	R	8 12 „
5	20.796	18.62	83.3	46.90	83.9	.0115	.7794	19.08.2	L	9 12 „
6	20.522	18.58	83.0	46.97	83.6	.0109	.7801	19.08.7	L	10 12 „
7	20.522	18.85	83.0	47·05	83.4	.0153	.7810	19.08.5	L	11 12 „
8	20.659	18.78	83.0	47.12	83.2	.0142	.7818	19.09.0	L	Midnight.
9	20.385	19.22	82.8	47.02	83.0	.0214	.7807	19.07.7	C	1 12 a. m.
10	20.728	18.99	82.6	47.09	83.0	.0176	.7814	19.08.3	C	2 12 „
11	20.385	18.95	82.4	47.06	82.8	.0169	.7811	19·08.3	C	3 12 „
12	19.904	18.91	81.9	47.15	82.2	.0163	.7821	19.08.8	C	4 12 „
13	19.836	18.98	81·5	47.31	82.0	.0174	.7839	19.09.4	R	5 12 „
14	20.042	18.82	81.0	47.30	81.5	.0148	.7838	19.09.6	R	6 12 „
15	19.699	18.90	81.0	47.44	81.2	.0161	.7853	19.10.1	R	7 12 „
16	20.590	19.21	81.6	47.49	81.2	.0213	.7858	19.09.7	R	8 12 „
17	20.590	19.62	82.6	47.27	81.8	·0279	.7834	19.07.8	L	9 12 „
18	20.728	19.81	84·2	47.13	82.8	.0311	.7829	19.07.2	L	10 12 „
19	20.522	19.73	85.6	46.84	84.0	.0298	.7777	19.05.3	L	11 12 „
20	20.179	19.83	86.8	46.53	85.1	.0314	.7753	19.04.3	L	Noon.
21	20.865	19.56	87.6	46.57	86.3	.0270	.7757	19.04.0	C	1 12 p. m.
22	20.728	19.19	88.0	46·39	87.0	.0209	.7737	19.05.0	C	2 12 „
23	21.208	18.88	88·0	46.42	87.4	.0158	.7741	19.05.7	C	3 12 „
Nov. 27TH-Noon.	20.590	19.02	87.6	46.38	87.1	.0181	.7736	19.05.3	C	4 12 „
1	20.042	18.82	86.0	46.60	86.8	·0148	.7761	19.06.5	R	5 12 „
2	20·316	18.65	85.2	46.78	85.2	.0120	.7780	19.07.7	R	6 12 „
3	20.659	18.61	84.2	46.84	84.5	.0114	.7787	19.08.2	R	7 12 „
4	20.796	18.48	83.8	46.87	84.0	.0093	.7790	19.09.1	R	8 12 „
5	21.345	18.49	83.2	46.85	83.8	.0095	.7788	19.08.3	L	9 12 „
6	21.139	18.30	82.8	46.83	83.3	.0063	.7786	19.09.3	L	10 12 „
7	20.993	18.28	82.2	46·93	83.0	.0060	.7807	19.09.2	L	11 12 „
8	20·865	18.50	81.8	47.10	82.8	.0096	.7816	19.09.4	L	Midnight.
9	20.728	18.54	81.0	47.17	82.4	.0103	.7823	19.09.7	C	1 12 a. m.
10	20.110	18.66	81.2	47·19	82.1	.0122	.7825	19.09.5	C	2 12 „
11	20.385	18.98	81.0	47.19	82.0	.0142	.7825	19.09.3	C	3 12 „
12	20.179	18.82	80.1	47.28	81·4	.0148	.7835	19.09.5	C	4 12 „
13	20·590	18.79	79.8	47.28	81·1	.0144	.7835	19.09.7	R	5 12 „
14	19.836	18.80	79.6	47.22	80.8	.0145	.7829	19.09.2	R	6 12 „
15	18.738	19.00	79.8	47.22	80.5	.0178	.7829	19.08.9	R	7 12 „
16	18.875	19.26	80.6	47.37	80.8	.0221	.7845	19.09.0	R	8 12 „
17	18.327	19.67	81.7	47.18	81.0	.0288	.7824	19.07.2	L	9 12 „
18	17.709	19.93	82.9	46.88	82.0	.0330	.7791	19.05.4	L	10 12 „
19	19.366	20.07	84.2	46.99	82.8	.0354	.7803	19.05.6	L	11 12 „
20	18.121	20.12	85.5	47.16	84.0	.0361	.7822	19.06.2	L	Noon.
21	19.493	20.09	86.5	47.15	85.1	.0357	.7821	19.06.2	C	1 12 p. m.
22	20·316	19.84	87.0	46.91	86.0	.0316	.7795	19.05.7	C	2 12 „
23	20.728	19.67	86.9	46.93	86.0	.0288	.7807	19.06.6	C	3 12 „
Nov. 29TH-Noon.	20·453	19.14	84·4	46.72	85.0	.0201	.7774	19.06.4	C	4 12 „
1	20.316	19.27	84.0	46.92	84.0	.0223	.7795	19.07.0	C	5 12 „
2	20.385	19.08	83.2	47.07	83.5	.0191	·7812	19.08.0	C	6 12 „
3	20.590	19.09	83.0	47.19	83.0	.0193	.7825	19.08.6	C	7 12 „
4	20.659	19.08	82.7	47.09	82.9	.0191	.7814	19·08.1	C	8 12 „
5	20.179	19.13	82.2	47.08	82.5	.0199	.7813	19.08.0	R	9 12 „
6	19.767	19.15	81.8	47.18	82.0	.0202	.7824	19.08.4	R	10 12 „
7	19.836	19.22	81.5	47.35	81.8	.0214	.7843	19.09.1	R	11 12 „
8	20.316	19.17	81.2	47.50	81.5	.0206	.7860	19.09.7	R	Midnight.
9	20.179	19.27	80.8	47.56	81.2	.0223	.7866	19.09.7	L	1 12 a. m.
10	20.110	19·24	80.3	47.71	81.0	.0218	.7883	19.10.4	L	2 12 „
11	19.904	19.25	80·0	47.64	80.6	.0219	.7875	19.10·1	L	3 12 „

On the 26th, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 29TH NOVEMBER TO 1ST DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.	°									h. m.
Nov. 29TH—12	19°081	19.31	79°7	47.62	80°4	8.0229	2.7873	19°09'9	L	4 12 p.m.
13	19.767	19.30	79.2	47.92	80.0	.0227	.7906	19.11.2	C	5 12 „
14	19.836	19.43	79.0	47.87	79.6	.0249	.7900	19.10.7	C	6 12 „
15	19.904	19.51	78.8	47.82	79.1	.0262	.7895	19.10.4	C	7 12 „
16	19.973	19.75	79.1	47.89	79.1	.0301	.7902	19.10.1	C	8 12 „
17	19.767	19.97	80.0	47.79	79.5	.0337	.7891	19.09.2	R	9 12 „
18	20.110	20.13	81.7	47.61	80.2	.0363	.7872	19.09.1	R	10 12 „
19	19.767	20.15	82.8	47.92	81.2	.0366	.7906	19.09.4	R	11 12 „
20	20.110	20.05	83.5	47.96	82.0	.0350	.7910	19.09.8	R	Noon.
21	20.590	19.78	84.0	47.80	82.5	.0306	.7893	19.09.7	L	1 12 p.m.
22	20.522	19.64	84.3	47.64	83.0	.0283	.7875	19.09.4	L	2 12 „
23	20.042	19.56	84.3	47.60	83.0	.0270	.7871	19.09.3	L	3 12 „
Nov. 30TH-Noon.	19.836	19.42	83.8	47.71	83.0	.0247	.7883	19.10.0	L	4 12 „
1	20.042	19.36	82.9	47.82	82.8	.0237	.7895	19.10.7	C	5 12 „
2	20.385	19.10	81.9	47.96	82.1	.0194	.7910	19.11.9	C	6 12 „
3	20.590	19.09	81.3	47.02	81.9	.0193	.7807	19.07.9	C	7 12 „
4	20.522	19.10	81.0	47.06	81.4	.0194	.7811	19.08.0	C	8 12 „
5	20.316	19.02	80.9	48.06	81.4	.0181	.7921	19.12.5	R	9 12 „
6	20.179	18.89	80.4	47.98	81.0	.0160	.7912	19.12.3	R	10 12 „
7	20.385	18.98	79.9	47.97	80.6	.0174	.7911	19.12.2	R	11 12 „
8	20.316	19.16	79.6	47.98	80.2	.0204	.7910	19.11.8	R	Midnight.
9	19.699	19.20	79.4	48.01	80.0	.0211	.7916	19.11.9	L	1 12 a.m.
10	20.042	19.20	79.3	48.11	79.7	.0211	.7927	19.12.4	L	2 12 „
11	19.561	19.19	79.0	48.10	79.4	.0209	.7926	19.12.3	L	3 12 „
12	19.493	19.30	78.8	48.18	79.2	.0227	.7934	19.12.3	L	4 12 „
13	19.699	19.26	78.3	48.24	79.0	.0221	.7941	19.12.7	C	5 12 „
14	19.493	19.41	78.0	48.27	78.6	.0246	.7944	19.12.4	C	6 12 „
15	19.218	19.48	78.1	48.42	78.5	.0257	.7961	19.12.9	C	7 12 „
16	19.356	19.76	78.9	48.56	78.6	.0303	.7966	19.12.6	C	8 12 „
17	20.385	19.99	79.8	48.62	79.0	.0340	.7983	19.12.8	R	9 12 „
18	20.659	20.12	81.0	48.29	79.8	.0361	.7946	19.11.1	R	10 12 „
19	20.247	20.22	82.5	48.03	81.0	.0378	.7918	19.09.8	R	11 12 „
20	20.179	20.08	84.0	47.86	82.0	.0355	.7899	19.09.4	R	Noon.
21	20.042	19.78	83.9	47.84	82.1	.0306	.7897	19.09.9	L	1 12 p.m.
22	19.767	19.68	83.9	47.86	82.5	.0289	.7899	19.10.1	L	2 12 „
23	20.110	19.49	83.7	47.83	82.7	.0259	.7896	19.10.4	L	3 12 „
Dec. 1ST-Noon.	19.973	19.34	83.0	47.82	82.3	.0234	.7895	19.11.0	L	4 12 „
1	19.561	19.44	81.9	47.86	82.0	.0251	.7899	19.10.6	C	5 12 „
2	20.042	19.22	81.0	48.02	81.4	.0214	.7917	19.12.0	C	6 12 „
3	20.179	19.17	80.7	48.12	81.0	.0206	.7928	19.12.4	C	7 12 „
4	20.385	19.19	80.4	48.12	80.9	.0209	.7928	19.12.4	C	8 12 „
5	20.179	19.12	80.4	48.07	80.5	.0197	.7922	19.12.2	R	9 12 „
6	20.247	19.14	80.1	48.13	80.4	.0201	.7929	19.12.5	R	10 12 „
7	20.659	18.93	79.2	48.20	80.0	.0166	.7937	19.13.3	R	11 12 „
8	21.071	18.83	79.0	48.39	79.7	.0150	.7947	19.13.9	R	Midnight.
9	20.453	19.38	79.1	48.34	79.6	.0240	.7952	19.12.9	L	1 12 a.m.
10	20.659	18.83	78.9	48.42	79.4	.0150	.7961	19.14.3	L	2 12 „
11	20.659	18.84	78.6	48.36	79.2	.0152	.7954	19.14.1	L	3 12 „
12	20.385	18.82	78.0	48.33	78.8	.0148	.7951	19.14.0	L	4 12 „
13	19.630	19.20	77.9	48.45	78.4	.0211	.7964	19.13.7	C	5 12 „
14	19.973	19.11	77.3	48.55	78.1	.0197	.7975	19.14.3	C	6 12 „
15	19.767	19.07	77.2	48.42	78.0	.0190	.7961	19.13.8	C	7 12 „
16	20.247	19.45	78.8	48.31	78.2	.0252	.7949	19.12.6	C	8 12 „
17	20.247	19.78	80.0	48.22	79.0	.0306	.7939	19.14.5	R	9 12 „
18	20.042	19.95	81.2	47.99	79.6	.0333	.7913	19.10.2	R	10 12 „
19	20.042	19.89	82.0	47.91	80.2	.0324	.7905	19.10.0	R	11 12 „
20	19.904	19.90	83.0	47.84	81.2	.0325	.7895	19.09.5	R	Noon.
21	20.247	19.61	83.0	47.90	81.5	.0278	.7904	19.10.5	L	1 12 p.m.
22	20.247	19.60	83.3	47.82	82.0	.0276	.7895	19.10.2	L	2 12 „
23	20.590	19.40	83.0	47.84	82.0	.0244	.7897	19.10.8	L	3 12 „

On the 29th, at about 19h. 15m., Dip as obtained by Observation was 19°07'8.

DAILY OBSERVATIONS FROM 2ND TO 5TH DECEMBER 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
DEC. 2ND-Noon.	20°453	19.29	82°3	47.85	81°7	8.0226	2.7898	19°10′9	L	4 12 p. m.
1	20.042	19.25	81.0	47.89	81.3	.0219	.7902	19.11.1	C	5 12 „
2	20.110	19.12	80.4	48.08	81.0	.0197	.7923	19.12.3	C	6 12 „
3	20.522	19.07	80.1	48.14	80.4	.0190	.7930	19.12.7	C	7 12 „
4	20.385	19.00	80.0	48.19	80.1	.0178	.7935	19.13.1	C	8 12 „
5	20.590	18.98	79.8	48.24	80.0	.0174	.7941	19.13.4	R	9 12 „
6	20.728	18.93	79.0	48.25	79.8	.0166	.7942	19.13.4	R	10 12 „
7	20.728	18.96	78.2	48.28	79.4	.0171	.7945	19.13.6	R	11 12 „
8	21.002	19.05	78.2	48.42	79.1	.0186	.7961	19.13.8	R	Midnight.
9	20.865	19.04	78.1	48.29	79.0	.0185	.7946	19.13.3	L	1 12 a. m.
10	20.865	19.14	78.2	48.35	79.0	.0201	.7953	19.13.5	L	2 12 „
11	21.002	19.15	77.8	48.36	78.6	.0202	.7954	19.13.5	L	3 12 „
12	20.590	19.11	77.0	48.30	78.0	.0196	.7948	19.13.3	L	4 12 „
13	20.042	19.19	76.6	48.28	77.6	.0209	.7945	19.13.1	C	5 12 „
14	19.767	19.34	76.5	48.35	77.3	.0234	.7953	19.13.1	C	6 12 „
15	19.630	19.41	76.5	48.32	77.1	.0246	.7950	19.12.7	C	7 12 „
16	20.247	19.76	77.8	48.38	77.7	.0303	.7956	19.12.3	C	8 12 „
17	20.659	20.08	79.3	48.15	78.2	.0355	.7931	19.10.5	R	9 12 „
18	20.590	20.20	80.6	47.82	79.0	.0375	.7894	19.08.8	R	10 12 „
19	20.179	20.13	81.6	47.65	79.8	.0363	.7876	19.08.3	R	11 12 „
20	20.042	19.96	81.6	47.82	80.0	.0335	.7895	19.09.4	R	Noon.
21	20.865	19.82	81.9	48.14	80.5	.0312	.7930	19.11.2	L	1 12 p. m.
22	21.208	19.66	82.2	48.25	81.0	.0286	.7944	19.11.8	L	2 12 „
23	21.208	19.48	82.3	48.16	81.3	.0257	.7932	19.11.8	L	3 12 „
DEC. 3RD-Noon.	20.453	19.32	81.7	47.81	80.9	.0230	.7894	19.10.7	L	4 12 „
1	19.767	19.05	80.4	47.95	80.7	.0186	.7909	19.11.8	C	5 12 „
2	19.904	18.78	79.9	47.99	80.2	.0142	.7913	19.12.7	C	6 12 „
3	20.453	18.70	79.5	48.19	80.0	.0129	.7935	19.13.7	C	7 12 „
4	20.522	18.90	79.4	48.25	79.9	.0161	.7942	19.13.5	C	8 12 „
5	20.316	18.92	79.2	48.29	79.5	.0164	.7946	19.13.7	R	9 12 „
6	20.659	19.00	79.0	48.37	79.1	.0178	.7955	19.13.9	R	10 12 „
7	20.728	19.27	78.8	48.67	79.0	.0223	.7988	19.14.5	R	11 12 „
8	21.002	19.13	78.6	48.82	79.0	.0199	.8005	19.15.5	R	Midnight.
9	20.385	19.18	78.3	48.60	78.8	.0207	.7981	19.14.4	L	1 12 a. m.
10	20.522	19.15	78.0	48.66	78.5	.0202	.7987	19.14.8	L	2 12 „
11	20.453	19.14	77.6	48.70	78.3	.0201	.7992	19.14.9	L	3 12 „
12	20.110	19.23	77.1	48.75	77.8	.0216	.7997	19.14.9	L	4 12 „
13	19.973	19.30	77.0	48.75	77.8	.0227	.7997	19.14.8	C	5 12 „
14	20.316	19.30	76.8	48.87	77.4	.0227	.8010	19.15.3	C	6 12 „
15	19.630	19.29	77.0	48.94	77.1	.0226	.8018	19.15.6	C	7 12 „
16	20.590	19.44	77.9	48.92	77.3	.0251	.8016	19.15.2	C	8 12 „
17	20.522	19.71	79.1	48.79	78.0	.0295	.8001	19.14.0	R	9 12 „
18	20.590	19.94	80.6	48.72	79.0	.0332	.7994	19.13.3	R	10 12 „
19	20.590	20.05	81.8	48.42	79.8	.0350	.7960	19.11.7	R	11 12 „
20	20.316	20.00	82.8	48.23	81.0	.0342	.7951	19.11.6	R	Noon.
21	20.110	19.78	83.0	48.39	81.2	.0306	.7967	19.12.6	L	1 12 p. m.
22	20.385	19.74	83.3	48.50	81.8	.0300	.7970	19.12.8	L	2 12 „
23	20.247	19.67	83.3	48.52	82.0	.0288	.7972	19.12.9	L	3 12 „
DEC. 5TH-Noon.	22.854	16.86	84.8	48.47	84.0	7.9814	.7966	19.19.0	C	4 12 „
1	22.032	16.69	83.5	48.51	83.5	.9799	.7971	19.19.3	C	5 12 „
2	21.963	16.61	82.4	47.93	82.5	.9786	.7907	19.17.0	C	6 12 „
3	21.561	16.44	81.7	47.90	82.0	.9759	.7904	19.17.2	C	7 12 „
4	21.963	16.43	81.1	48.43	81.7	.9757	.7962	19.19.4	C	8 12 „
5	21.619	16.68	80.9	48.85	81.5	.9797	.8008	19.20.8	R	9 12 „
6	21.826	16.63	80.5	48.93	81.0	.9789	.8027	19.21.7	R	10 12 „
7	21.826	17.05	80.1	48.82	80.6	.9858	.8005	19.19.9	R	11 12 „
8	21.895	17.29	79.9	49.01	80.2	.9914	.8026	19.20.1	R	Midnight.
9	21.345	17.65	80.0	48.85	80.2	.9956	.8008	19.18.7	L	1 12 a. m.
10	21.071	17.82	79.8	48.85	80.0	.9984	.8008	19.18.5	L	2 12 „
11	20.590	17.93	79.7	48.87	79.8	8.0002	.8010	19.18.3	L	3 12 „

On the 3rd, at about 19h., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 5TH TO 7TH DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 5th—12	20·316	17.89	79°5	48.93	79°7	7.9996	2.8027	19°19'0	L	4 12 a. m.
13	20.316	17.91	79.0	48.63	79.3	.9999	.7989	19.17.4	C	5 12 „
14	20.316	18.02	78.8	48.76	79.1	8.0017	.7988	19.17.1	C	6 12 „
15	19.424	18.15	78.9	48.47	79.0	.0038	·7966	19.16.0	C	7 12 „
16	20.042	18.53	79.9	48.57	79.1	.0101	.7977	19.15.7	C	8 12 „
17	21.619	18.78	81.0	48.50	79.9	.0142	.7970	19.14.9	R	9 12 „
18	22.101	18.99	82.0	48.22	80.5	.0176	.7939	19.13.2	R	10 12 „
19	21.139	19.21	83.1	47.89	81.2	.0213	.7902	19.11.3	R	11 12 „
20	21.071	19.13	83.6	47.96	82.0	.0199	.7910	19.11.8	R	Noon.
21	21.139	18.96	83.5	48.01	82.1	.0171	.7916	19.12.4	L	1 12 p. m.
22	21.139	18.78	83.6	47.97	82.2	.0142	.7911	19.12.6	L	2 12 „
23	21.345	18.54	83.1	48.07	82.4	.0103	.7922	19.13.5	L	3 12 „
Dec. 6th-Noon.	21.071	18.40	82.3	48.06	82.0	.0080	.7921	19.13.3	L	4 12 „
1	20.522	18.29	81.1	47.99	81.4	.0062	.7913	19.13.2	C	5 12 „
2	21.139	18.11	80.2	48.24	81.0	.0032	.7941	19.14.7	C	6 12 „
3	21.139	18.10	79.9	48.23	80.6	.0030	.7942	19.14.7	C	7 12 „
4	21.071	18.15	79.5	48.28	80.4	.0038	.7945	19.14.6	C	8 12 „
5	20.796	18.22	79.5	48.29	80.2	.0050	.7946	19.14.6	R	9 12 „
6	20.796	18.16	79.5	48.50	80.0	.0040	.7970	19.15.7	R	10 12 „
7	20.933	18.30	79.6	48.70	80.0	.0063	.7992	19.16.2	R	11 12 „
8	21.002	18.29	79.5	48.72	80.0	.0062	.7994	19.16.3	R	Midnight.
9	20.865	18.32	79.4	48.74	80.0	.0066	.7996	19.16.3	L	1 12 a. m.
10	20.933	18.30	79.2	48.79	79.7	.0063	.8001	19.16.6	L	2 12 „
11	20.796	18.35	78.8	48.81	79.5	.0071	.8004	19.16.6	L	3 12 „
12	20.728	18.36	78.7	48.86	79.3	.0073	.8009	19.16.8	L	4 12 „
13	20.316	18.45	78.3	48.86	79.1	.0088	.8009	19.16.5	C	5 12 „
14	20.659	18.52	78 2	48.92	79.0	.0099	.8016	19.17.2	C	6 12 „
15	20.316	18.81	78.6	48.71	78.9	.0147	.7993	19.15.6	C	7 12 „
16	21.002	19.13	79.5	48.73	79.0	.0199	.7995	19.15.1	C	8 12 „
17	22.581	19.33	80.5	48.59	79.5	.0232	.7979	19.14.0	R	9 12 „
18	22.512	19.64	82.0	48.01	80.4	.0283	.7916	19.11.0	R	10 12 „
19	21.208	19.69	82.9	47.78	81.0	.0291	.7890	19.09.8	R	11 12 „
20	21.071	19.70	83.2	47.87	81.5	.0293	.7900	19.10.2	R	Noon.
21	20.865	19.50	83.0	48.07	81.6	.0260	.7922	19.11.4	L	1 12 p. m.
22	21.551	19.27	82.6	48.05	81.7	.0223	.7920	19.11.9	L	2 12 „
23	21.617	19.12	82.1	48.17	81.6	.0197	.7933	19.12.7	L	3 12 „
Dec. 7th-Noon.	21.071	18.95	81.0	48.14	81.3	.0169	.7930	19.13.0	L	4 12 „
1	20.247	18.76	79.8	48.11	80.4	.0139	.7927	19.13.3	C	5 12 „
2	20.865	18.65	78.9	48.33	80.0	.0120	.7951	19.14.4	C	6 12 „
3	21.139	18.61	78.7	48.33	79.3	.0098	.7951	19.14.7	C	7 12 „
4	21.002	18.56	78.6	48.42	79.0	.0106	.7961	19.14.9	C	8 12 „
5	21.002	18.49	78.0	48.41	78.5	.0095	.7960	19.15.0	R	9 12 „
6	20.728	18.52	77.6	48.50	78.2	.0099	.7970	19.15.4	R	10 12 „
7	20.659	18.57	77.1	48.44	78.0	.0108	.7963	19.15.0	R	11 12 „
8	20.590	18.54	77.0	48.55	77.8	.0103	.7975	19.15.6	R	Midnight.
9	20.453	18.53	76.4	48.61	77.5	.0101	.7982	19.15.8	L	1 12 a. m.
10	20.453	18.55	76.2	48.59	77.2	.0104	.7979	19.15.7	L	2 12 „
11	20.110	18.74	76.3	48.62	77.2	.0136	.7983	19.15.4	L	3 12 „
12	20.042	18.66	76.2	48.69	77.0	.0122	.7990	19.15.9	L	4 12 „
13	19.630	18.70	75.9	48.63	77.0	.0129	.7984	19.15.5	C	5 12 „
14	19.904	18.77	75.5	48.79	76.5	.0141	.8001	19.16.1	C	6 12 „
15	19.699	18.72	75.7	48.83	76.1	.0132	.8006	19.16.4	C	7 12 „
16	20.728	19.11	76.8	48.75	76.7	.0196	.7997	19.15.2	C	8 12 „
17	21.688	19.26	78.0	48.57	77.2	.0237	.7977	19.13.9	R	9 12 „
18	21.415	19.56	79.5	48.19	78.0	.0270	.7935	19.11.9	R	10 12 „
19	21·728	19.68	80.5	47.91	78.5	.0289	.7905	19.10.4	R	11 12 „
20	20.796	19.69	81.4	48.07	79.5	.0291	.7922	19.11.0	R	Noon.
21	21.758	19.58	81.7	48.24	79.8	.0273	.7941	19.12.7	L	1 12 p. m.
22	22.649	19.43	81.6	48.25	80.0	.0249	.7942	19.12.3	L	2 12 „
23	22.305	19.25	81.5	48.16	80.2	.0219	.7932	19.12.3	L	3 12 „

On the 6th, at about 19h., Dip as obtained by Observation was 19°26'9.

DAILY OBSERVATIONS FROM 8TH TO 10TH DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 8th-Noon.	21·758	19.08	81°0	48.08	80°1	8.0191	2.7923	19°12′4	L	4 12 p. m.
1	20.728	19.02	80.1	48.07	80.0	.0181	.7922	19.12.5	C	5 12 ,,
2	20.522	18.99	79.5	48.29	79.7	.0176	.7946	19.13.5	C	6 12 ,,
3	20.453	18.90	79.1	48.33	79.3	.0161	.7951	19.13.9	C	7 12 ,,
4	20.247	18.94	78.9	48.34	79.1	.0168	.7952	19.13.8	C	8 12 ,,
5	20.453	18.79	78.2	48.40	78.8	.0144	.7959	19.14.5	R	9 12 ,,
6	20.659	18.89	77.9	48.46	78.5	.0160	.7965	19.14.4	R	10 12 ,,
7	20.385	19.09	77.9	48.60	78.3	.0193	.7981	19.14.6	R	11 12 ,,
8	20.453	19.05	77.9	48.65	78.3	.0186	.7986	19.14.8	R	Midnight.
9	20.590	19.01	77.6	48.56	78.1	.0180	.7976	19.14.6	L	1 12 a. m.
10	20.453	19.02	77.2	48.62	77.9	.0181	.7983	19.14.9	L	2 12 ,,
11	20.042	19.03	76.8	48.67	77.4	.0183	.7988	19.15.1	L	3 12 ,,
12	19.904	19.11	76.7	48.72	77.2	.0196	.7994	19.15.0	L	4 12 ,,
13	19.699	19.14	76.7	48.77	77.0	.0201	.7999	19.15.2	C	5 12 ,,
14	19.356	19.29	76.8	48.76	77.0	.0226	.7998	19.14.8	C	6 12 ,,
15	19.630	19.25	76.3	48.83	76.9	.0219	.8006	19.15.2	C	7 12 ,,
16	19.973	19.49	76.6	49.00	76.5	.0259	.8025	19.15.5	C	8 12 ,,
17	21.139	19.82	77.4	48.91	77.0	.0312	.8015	19.14.5	R	9 12 ,,
18	21.415	20.15	79.0	48.54	78.0	.0366	.7974	19.12.0	R	10 12 ,,
19	21.139	20.15	80.4	48.17	79.0	.0366	.7933	19.10.5	R	11 12 ,,
20	20.659	20.14	81.4	48.00	80.0	.0365	.7915	19.09.8	R	Noon.
21	21.208	19.87	81.5	48.15	79.9	.0321	.7931	19.11.0	L	1 12 p. m.
22	21.758	19.69	82.0	48.13	80.4	.0291	.7929	19.11.3	L	2 12 ,,
23	21.551	19.41	82.2	48.18	80.9	.0246	.7934	19.12.0	L	3 12 ,,
Dec. 9th-Noon.	21.208	19.08	81.5	48.22	80.5	.0191	.7939	19.13.0	L	4 12 ,,
1	20.385	19.03	80.6	48.08	80.1	.0183	.7923	19.12.6	C	5 12 ,,
2	20.179	18.98	80.1	48.30	80.0	.0174	.7948	19.13.7	C	6 12 ,,
3	20.385	18.95	79.8	48.47	79.7	.0169	.7966	19.14.3	C	7 12 ,,
4	20.385	18.83	79.2	48.53	79.2	.0150	.7973	19.14.8	C	8 12 ,,
5	20.453	18.89	79.0	48.67	79.0	.0160	.7988	19.15.3	R	9 12 ,,
6	20.385	19.03	78.8	48.63	79.0	.0183	.7984	19.14.9	R	10 12 ,,
7	20.728	18.96	77.9	48.66	78.5	.0171	.7987	19.15.1	R	11 12 ,,
8	20.110	19.11	77.7	48.85	78.2	.0196	.8008	19.15.6	R	Midnight.
9	20.522	19.16	77.7	49.10	78.2	.0204	.8036	19.16.7	L	1 12 a. m.
10	20.590	19.19	77.3	49.14	77.9	.0209	.8040	19.16.8	L	2 12 ,,
11	20.522	19.17	77.0	49.15	77.7	.0206	.8041	19.16.8	L	3 12 ,,
12	19.904	19.07	76.8	49.12	77.4	.0190	.8038	19.16.9	L	4 12 ,,
13	20.042	19.15	76.4	49.21	77.1	.0202	.8048	19.17.2	C	5 12 ,,
14	20.247	19.15	75.9	49.20	76.5	.0202	.8047	19.17.2	C	6 12 ,,
15	20.042	19.02	75.8	49.34	76.2	.0181	.8062	19.17.9	C	7 12 ,,
16	21.139	19.19	76.5	49.39	76.4	.0209	.8067	19.17.8	C	8 12 ,,
17	22.168	19.56	78.0	49.09	77.0	.0270	.8034	19.15.7	R	9 12 ,,
18	21.002	19.82	79.5	48.39	78.0	.0312	.7957	19.12.3	R	10 12 ,,
19	19.081	20.13	81.0	47.87	79.0	.0363	.7900	19.09.3	R	11 12 ,,
20	18.670	20.27	82.9	47.77	80.5	.0387	.7889	19.08.4	R	Noon.
21	19.081	20.22	84.1	47.90	81.8	.0378	.7904	19.09.2	L	1 12 p. m.
22	19.630	19.95	84.7	48.03	82.6	.0333	.7918	19.10.4	L	2 12 ,,
23	20.179	19.66	84.6	48.14	83.0	.0286	.7930	19.11.4	L	3 12 ,,
Dec. 10th-Noon.	20.659	19.40	84.3	48.27	82.9	.0244	.7944	19.12.6	L	4 12 ,,
1	20.385	19.19	83.6	48.23	82.2	.0209	.7940	19.12.9	C	5 12 ,,
2	20.316	19.09	82.6	48.36	81.9	.0193	.7954	19.13.6	C	6 12 ,,
3	20.453	18.96	81.7	48.42	81.2	.0171	.7961	19.14.1	C	7 12 ,,
4	20.247	18.86	81.0	48.23	81.0	.0155	.7940	19.13.5	C	8 12 ,,
5	20.385	18.65	80.0	48.32	80.5	.0120	.7950	19.14.4	R	9 12 ,,
6	21.071	18.61	79.2	48.48	80.0	.0114	.7967	19.15.2	R	10 12 ,,
7	21.482	18.45	78.5	48.64	79.5	.0088	.7985	19.15.6	R	11 12 ,,
8	20.933	18.51	78.2	48.69	79.0	.0098	.7990	19.16.2	R	Midnight.
9	20.865	18.85	78.3	48.65	79.0	.0153	.7986	19.15.4	L	1 12 a. m.
10	20.728	18.78	78.0	48.73	78.9	.0142	.7995	19.15.9	L	2 12 ,,
11	20.865	18.72	77.8	48.76	78.6	.0132	.7996	19.16.0	L	3 12 ,,

On the 9th, at about 19h., Dip as obtained by Observation was 18°56′9.

DAILY OBSERVATIONS FROM 10TH TO 13TH DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 10th—12	20·728	18.90	77·7	48.87	78·4	8.0161	2.8010	19°16′2	L	4 12 a. m.
13	19.904	18.90	77.5	48.84	78.0	.0161	.8007	19.16.1	C	5 12 „
14	20.865	18.99	77.2	48.83	78.0	.0176	.8006	19.15.9	C	6 12 „
15	21.002	19.09	77.4	49·01	78.0	.0193	.8026	19.16.4	C	7 12 „
16	21.895	19.77	77·9	49·19	78.0	.0305	.8045	19.15.7	C	8 12 „
17	22.649	19.58	79.0	48.95	78.3	.0273	.8019	19.15.1	R	9 12 „
18	22.305	19.96	80.5	48.37	79.0	.0335	.7915	19.11.8	R	10 12 „
19	21.485	20.25	82.4	48.03	80.4	.0383	.7918	19.09.8	R	11 12 „
20	20.522	20.40	84.2	47.76	82.0	.0408	.7888	19.06.2	R	Noon.
21	20.659	20.20	85.5	47.85	83.2	.0375	.7898	19.09.0	L	1 12 p. m.
22	20.728	19.98	85·9	47.80	84.0	.0338	.7893	19.09 3	L	2 12 „
23	21.345	19.63	86.0	47.74	84.8	.0281	.7886	19.09.8	L	3 12 „
Dec. 12th-Noon.	21.895	19.26	83.8	48.15	83.0	.0221	.7931	19.12.3	C	4 12 „
1	20.728	19.19	82.6	48.17	82.2	.0209	.7933	19.12.6	C	5 12 „
2	20.728	18.92	81.6	48.36	81.9	.0164	.7954	19.14.0	C	6 12 „
3	21.415	18.35	80.9	48.41	81.3	.0071	.7960	19.14.9	C	7 12 „
4	21.415	18.32	80.8	48.51	80.9	.0066	.7971	19.15.3	C	8 12 „
5	20.728	18.46	80.5	48.32	80.5	.0090	.7950	19.14.3	R	9 12 „
6	21.208	18.38	80.0	48.41	80.2	.0076	.7960	19.14.8	R	10 12 „
7	21.071	18.43	79.0	48.44	79.7	.0085	.7963	19.14.7	R	11 12 „
8	20.590	18.58	78.8	48.48	79.2	.0099	.7967	19.15.3	R	Midnight.
9	20.316	18·56	78.4	48.53	79.2	.0106	.7973	19.15.4	L	1 12 a. m.
10	19.836	18.92	78.0	48.57	79.0	.0164	.7977	19.14.9	L	2 12 „
11	20.110	19.20	78.0	48.70	78.8	.0211	.7992	19.14.8	L	3 12 „
12	20.453	19.07	78.1	48.74	78.6	.0190	.7996	19.15.2	L	4 12 „
13	20.316	18.94	77.6	48.79	78.2	.0168	.8001	19.15.7	C	5 12 „
14	19.836	18.96	77.1	48.84	78.0	.0171	.8007	19.16.0	C	6 12 „
15	20.385	18.76	76.5	48.91	77.0	.0139	.8015	19.16.7	C	7 12 „
16	21.276	19.06	77.4	49.08	77.3	.0188	.8033	19.16.7	C	8 12 „
17	21.826	19.33	78.5	48.84	78.0	.0232	.8007	19.15.1	R	9 12 „
18	21.551	19.36	80.2	48.67	79.0	.0237	.7988	19.14.3	R	10 12 „
19	20.865	19.49	82.0	48.20	80.0	.0259	.7937	19.12.1	R	11 12 „
20	20.453	19.51	83.8	47.95	81.5	.0262	.7909	19.10.9	R	Noon.
21	20.385	19.38	84.8	48.04	82.9	.0240	.7919	19.11.6	L	1 12 p. m.
22	21.002	19.20	85.3	48.06	83.9	.0211	.7921	19.12.1	L	2 12 „
23	21.485	19.05	85.3	48.12	84.0	.0186	.7928	19.12.6	L	3 12 „
Dec. 13th-Noon.	21.071	18.99	84.9	48.05	83.4	.0176	.7920	19.12.5	L	4 12 „
1	20.453	18.77	83.0	48.13	82.9	.0141	.7929	19.13.3	C	5 12 „
2	21.688	18.56	82.1	48.34	82.1	.0106	.7952	19.14.6	C	6 12 „
3	21.551	18.13	81.6	48.45	81.5	.0035	.7964	19.15.4	C	7 12 „
4	21.758	18.03	81.0	48.53	81.0	.0019	.7973	19.16.0	C	8 12 „
5	21.826	17.90	80.5	48.57	80.5	7.9997	.7977	19.16.5	R	9 12 „
6	21.895	17.74	79.6	48.70	80.0	.9970	.7992	19.17.6	R	10 12 „
7	22.237	17.74	78·2	48.68	79.2	.9970	.7989	19.17.5	R	11 12 „
8	22.444	18.10	78.5	48.72	79.0	8.0030	.7994	19.16.7	R	Midnight.
9	21.482	18.71	78·2	48.68	78.8	.0131	.7989	19.15.7	L	1 12 a. m.
10	20.933	18.57	77.9	48.68	78.5	.0108	.7989	19.16.0	L	2 12 „
11	20.659	18·62	77.6	48.75	78.3	.0115	.7997	19.16.2	L	3 12 „
12	20.522	18.60	77.3	48.74	78.1	.0112	.7996	19.16.3	L	4 12 „
13	20.042	18.69	77.0	48.73	77.8	.0127	.7995	19.16.0	C	5 12 „
14	20.179	18.73	77.0	48.85	77.7	.0134	.8008	19.16.5	C	6 12 „
15	20.042	18·77	77.0	49.53	77.5	.0141	.8083	19.19.3	C	7 12 „
16	20.385	19·06	77.7	49.45	77.7	.0188	.8074	19.18.2	C	8 12 „
17	20.522	19.25	79.0	49.25	78.2	.0219	.8053	19.17.1	R	9 12 „
18	19.973	19.63	80.7	48.87	79.0	.0281	.8010	19.14.7	R	10 12 „
19	19.767	19.52	82.0	48·80	80.0	.0263	.8003	19.14.6	R	11 12 „
20	19.904	19.31	83.0	48.75	81.0	.0229	.7997	19.14.8	R	Noon.
21	20.110	19.24	84.1	48.67	82.2	.0218	.7988	19.14.5	L	1 12 p. m.
22	21.139	19.00	85·0	48.84	83.0	.0178	.8007	19.16.0	L	2 12 „
23	20.865	18.82	85.0	48.79	83.0	.0148	.8001	19.15.9	L	3 12 „

On the 10th, at about 19h., Deflection Observations were taken.
On the 13th, at about 19h., Dip as obtained by Observation was 18°59′4.

DAILY OBSERVATIONS FROM 14TH TO 16TH DECEMBER 1858.

DATE. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1858.
h.										h. m.
DEC. 14TH—Noon.	21°688	18.42	84°1	48.90	82°7	8.0083	2.8014	19°16'9	L	4 12 p. m.
1	21.139	18.56	82.9	48.81	82.1	.0106	.8004	19.16.6	C	5 12 „
2	21.415	18.33	81.9	49.05	81.8	.0068	.8030	19.17.7	C	6 12 „
3	21.551	18.29	81.1	49.07	81.3	.0062	.8032	19.17.8	C	7 12 „
4	21.963	18.34	80.9	49.13	81.0	.0070	.8039	19.18.0	C	8 12 „
5	21.345	18.37	80.8	48.63	81.0	.0075	.7984	19.15.7	R	9 12 „
6	21.415	18.47	80.2	48.67	80.5	.0092	.7988	19.15.7	R	10 12 „
7	21.415	18.68	80.0	48.73	80.2	.0125	.7993	19.15.9	R	11 12 „
8	20.865	18.76	79.8	48.70	80.0	.0139	.7992	19.15.7	R	Midnight.
9	20.728	18.75	78.8	48.74	79.3	.0137	.7996	19.15.9	L	1 12 a. m.
10	20.590	18.92	78.2	48.77	79.0	.0164	.7999	19.15.7	L	2 12 „
11	20.385	18.92	78.3	48.87	79.0	.0164	.8010	19.16.2	L	3 12 „
12	20.385	18.91	78.0	48.90	78.9	.0163	.8014	19.16.3	L	4 12 „
13	19.973	18.92	77.4	48.91	78.0	.0164	.8015	19.16.4	C	5 12 „
14	19.836	18.92	77.3	49.67	78.0	.0164	.8098	19.19.6	C	6 12 „
15	19.836	19.09	77.2	49.87	77.4	.0193	.8120	19.20.1	C	7 12 „
16	21.345	19.14	77.9	49.80	77.5	.0201	.8113	19.19.7	C	8 12 „
17	21.482	19.48	79.0	49.59	78.0	.0257	.8089	19.17.9	R	9 12 „
18	21.139	19.66	80.2	49.41	78.5	.0286	.8070	19.16.8	R	10 12 „
19	20.042	19.75	81.4	49.25	79.3	.0301	.8052	19.16.0	R	11 12 „
20	20.453	19.63	82.0	49.26	80.0	.0281	.8053	19.16.4	R	Noon.
21	21.139	19.33	82.4	49.28	80.6	.0232	.8055	19.17.2	L	1 12 p. m.
22	20.796	19.29	82.7	49.08	81.0	.0226	.8033	19.16.2	L	2 12 „
23	20.042	19.14	82.8	49.12	81.2	.0201	.8037	19.16.8	L	3 12 „
DEC. 15TH—Noon.	20.110	19.08	82.0	49.19	81.0	.0191	.8045	19.17.2	L	4 12 „
1	19.904	19.07	81.0	49.27	80.5	.0190	.8055	19.17.6	R	5 12 „
2	20.385	18.98	80.2	49.35	80.0	.0174	.8063	19.18.1	R	6 12 „
3	20.522	18.86	80.0	49.40	80.0	.0155	.8069	19.18.4	R	7 12 „
4	21.551	18.97	79.8	49.49	79.8	.0173	.8078	19.18.7	R	8 12 „
5	20.590	18.72	79.5	49.44	79.5	.0132	.8073	19.19.0	C	9 12 „
6	20.865	18.76	79.0	49.41	79.1	.0139	.8070	19.18.8	C	10 12 „
7	21.139	18.77	78.0	49.36	78.8	.0141	.8064	19.18.5	C	11 12 „
8	21.208	18.95	78.0	49.46	78.6	.0169	.8075	19.18.6	C	Midnight.
9	20.728	18.98	78.2	49.41	78.5	.0174	.8070	19.18.4	L	1 12 a.m.
10	20.453	19.02	77.8	49.47	78.2	.0181	.8076	19.18.5	L	2 12 „
11	20.179	18.96	77.4	49.46	77.9	.0171	.8075	19.18.6	L	3 12 „
12	20.110	19.02	76.8	49.51	77.5	.0181	.8081	19.18.7	L	4 12 „
13	20.110	18.89	76.1	49.46	77.0	.0176	.8075	19.18.5	C	5 12 „
14	20.042	19.00	75.9	49.73	76.8	.0178	.8105	19.19.7	C	6 12 „
15	20.385	19.04	76.8	49.90	76.5	.0185	.8124	19.20.2	C	7 12 „
16	21.345	19.28	77.5	49.92	76.8	.0224	.8126	19.19.9	C	8 12 „
17	22.168	19.72	78.5	49.67	77.3	.0296	.8098	19.17.8	N	9 12 „
18	21.208	20.12	79.8	49.22	78.0	.0362	.8039	19.14.7	N	10 12 „
19	21.071	19.78	80.7	49.07	79.0	.0306	.8032	19.15.1	N	11 12 „
20	20.728	19.74	81.4	48.99	79.8	.0300	.8023	19.14.9	N	Noon.
21	19.904	19.78	81.9	48.95	80.1	.0306	.8019	19.14.6	L	1 12 p. m.
22	19.699	19.62	82.4	48.97	80.8	.0279	.8021	19.15.0	L	2 12 „
23	19.699	19.41	82.3	49.03	81.0	.0246	.8028	19.15.7	L	3 12 „
DEC. 16TH—Noon.	20.110	19.30	81.8	49.11	80.9	.0227	.8037	19.16.4	L	4 12 „
1	19.630	19.21	80.7	49.16	80.4	.0213	.8042	19.16.8	C	5 12 „
2	20.179	19.08	79.8	49.44	80.0	.0191	.8073	19.17.3	C	6 12 „
3	20.385	19.02	79.5	49.39	79.7	.0181	.8056	19.17.9	C	7 12 „
4	20.590	18.93	79.3	49.42	79.4	.0166	.8060	19.17.0	C	8 12 „
5	20.728	18.87	79.1	49.07	79.1	.0157	.8032	19.17.0	N	9 12 „
6	20.590	18.85	79.0	49.17	79.0	.0153	.8043	19.17.6	N	10 12 „
7	20.728	18.95	78.7	49.47	78.9	.0169	.8076	19.18.6	N	11 12 „
8	20.933	18.86	78.1	49.56	78.5	.0155	.8086	19.19.1	N	Midnight.
9	21.071	19.00	78.0	49.67	78.3	.0178	.8098	19.19.4	L	1 12 a. m.
10	20.933	18.97	77.8	49.66	78.0	.0173	.8097	19.19.5	L	2 12 „
11	20.796	18.92	77.3	49.71	77.7	.0164	.8103	19.19.8	L	3 12 „

DAILY OBSERVATIONS FROM 16TH TO 19TH DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 16th—12	20·247	19.17	77·4	49.73	77·7	8.0206	2.8105	19°19·3	L	4 12 a. m.
13	19.973	19.30	77.1	49.81	77.5	.0227	.8114	19.19.3	C	5 12 „
14	20.144	19.23	77.0	49.62	77.2	.0216	.8093	19.18.6	C	6 12 „
15	20.179	19.22	76.9	49.61	77.0	.0214	.8082	19.18.3	C	7 12 „
16	20.933	19.43	77.5	49.71	77.0	.0249	.8103	19.18.8	C	8 12 „
17	21.688	19.69	78.3	49.56	77.2	.0291	.8076	19.17.0	N	9 12 „
18	21.002	19.93	79.3	49.34	78.0	.0330	.8062	19.15.9	N	10 12 „
19	19.699	20.00	80.3	49.12	78.5	.0342	.8038	19.15.0	N	11 12 „
20	19.493	19.86	81.0	49.12	79.0	.0319	.8038	19.15.2	N	Noon.
21	19.973	19.80	81.8	49.04	79.7	.0309	.8029	19.15.0	L	1 12 p. m.
22	20.316	19.60	82.0	49.01	80.5	.0276	.8026	19.15.3	L	2 12 „
23	20.796	19.49	81.6	48.91	80.3	.0259	.8015	19.15.1	L	3 12 „
Dec. 17th-Noon.	20.110	19.38	80.9	49·00	80.0	.0240	.8025	19.15.8	L	4 12 „
1	20.316	19.51	80.0	49.12	79.5	.0262	.8038	19.16.0	C	5 12 „
2	20.522	19.28	79.0	49.27	79.0	.0224	.8054	19.17.1	C	6 12 „
3	21.071	19.18	78.6	49.40	78.7	.0207	.8069	19.17.8	C	7 12 „
4	20.933	19.15	78.2	49.35	78.4	.0202	.8063	19.17.7	C	8 12 „
5	20.659	19.16	78.0	49.19	78.0	.0204	.8045	19.17.1	N	9 12 „
6	20.247	19.27	77.3	49.33	77.8	.0223	.8061	19.17.3	N	10 12 „
7	20.659	19.14	76.8	49.36	77.3	.0201	.8064	19.17.7	N	11 12 „
8	20.522	19.23	76.3	49.41	77.0	.0216	.8070	19.17.7	N	Midnight.
9	20.522	19.34	75.8	49.37	76.6	.0234	.8065	19.17.4	L	1 12 a.m.
10	19.767	19.33	75.4	49.38	76.1	.0232	.8066	19.17.4	L	2 12 „
11	19.630	19.25	75.2	49.39	76.0	.0219	.8067	19.17.6	L	3 12 „
12	19.836	19.20	74.7	49.57	75.6	.0211	.8087	19.18.6	L	4 12 „
13	18.944	19.36	74.7	49.49	75.4	.0237	.8078	19.18.8	C	5 12 „
14	19.218	19.39	74.7	49.90	75.3	.0242	.8124	19.19.6	C	6 12 „
15	18.875	19.55	75.0	49.97	75.1	.0268	.8131	19.19.5	C	7 12 „
16	20.042	19.99	75.8	50.06	75.4	.0340	.8141	19.19.0	C	8 12 „
17	22.168	19.92	76.5	49.99	75.7	.0328	.8133	19.18.8	N	9 12 „
18	21.688	19.96	77.7	49.67	76.3	.0335	.8098	19.17.3	N	10 12 „
19	20.796	19.78	79.2	49.70	77.2	.0306	.8102	19.17.8	N	11 12 „
20	20.522	19.72	80.0	49.54	78.1	.0296	.8084	19.17.2	N	Noon.
21	21.139	19.68	80.4	49.42	78.8	.0289	.8071	19.06.8	L	1 12 p.m.
22	20.728	19.32	80.9	49.18	79.4	.0230	.8044	19.16.6	L	2 12 „
23	20.453	19.12	80.8	49.19	79.6	.0197	.8045	19.17.1	L	3 12 „
Dec. 19th-Noon.	19.699	19.34	79.0	49.47	77.8	.0234	.8076	19.17·8	C	4 12 „
1	20.179	19.29	78.0	49.62	77.2	.0226	.8093	19.18.5	C	5 12 „
2	20.590	19.23	77.4	49.73	77.0	.0216	.8105	19.19.1	C	6 12 „
3	20.728	19.05	77.0	49.91	76.9	.0186	.8125	19.20.3	C	7 12 „
4	20.590	18.97	76.7	49.94	76.6	.0173	.8128	19.20.7	C	8 12 „
5	20.659	18.85	76.3	49.67	76.2	.0153	.8088	19.19.3	N	9 12 „
6	20.865	18.72	75.3	49.67	75.8	.0132	.8088	19.19.6	N	10 12 „
7	21.002	18.81	75.0	49.80	75.4	.0147	.8113	19.20.3	N	11 12 „
8	20.933	18.81	74.5	49.82	75.1	.0147	.8115	19.20.4	N	Midnight.
9	21.002	18.86	74.0	49.80	74.7	.0155	.8113	19.20.2	L	1 12 a. m.
10	20.590	18.92	73.6	49.88	74.4	.0164	.8121	19.20.5	L	2 12 „
11	20.316	18.94	73.6	49.95	74.3	.0168	.8129	19.20.7	L	3 12 „
12	20.385	18.99	73.0	50.01	73.7	.0176	.8136	19.20.9	L	4 12 „
13	20.179	19.08	72·6	50.13	73.2	.0191	.8149	19.21.2	C	5 12 „
14	20.110	19.14	72.5	50.24	73.0	.0201	.8161	19.21.5	C	6 12 „
15	20.100	19.26	72.4	50.26	72.9	.0221	.8163	19.21.3	C	7 12 „
16	21.002	19.72	73.9	50.54	73.1	.0296	.8194	19.21.5	C	8 12 „
17	22.101	19.97	75.0	50.41	73.8	.0337	.8180	19.20.5	N	9 12 „
18	21.415	20.33	76.9	49.84	74.8	.0355	.8117	19.17.9	N	10 12 „
19	20.728	20.37	78.0	49.60	85.6	.0403	.8091	19.16.2	N	11 12 „
20	21.345	20.24	79.4	49.61	76.9	.0372	.8103	19.17.1	N	Noon.
21	21.482	20.01	81.1	49.37	78.2	.0344	.8065	19.16.0	L	1 12 p.m.
22	21.071	19.83	81.6	49.29	79.0	.0314	.8056	19.16.1	L	2 12 „
23	20.316	19.82	82.0	49.19	79.6	.0312	.8045	19.15.7	L	3 12 „

On the 17th, at about 19h. 30m., Deflection Observations were taken.

DAILY OBSERVATIONS FROM 20TH TO 22ND DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 20th-Noon.	20°385	19.50	81°4	49.29	79°5	8.0260	2.8056	19°16'7	L	4 12 p. m.
1	20.179	19.34	80.5	49.23	79.4	.0234	.8050	19.16.9	C	5 12 „
2	20.385	19.46	79.5	49.43	78.9	.0254	.8072	19.17.3	C	6 12 „
3	20.796	19.23	78.4	49.64	78.1	.0216	.8095	19.18.7	C	7 12 „
4	20.933	19.05	77.4	49.67	77.6	.0186	.8098	19 19.2	C	8 12 „
5	20.933	18.97	77.0	49.52	77.2	.0173	.8082	19.18.8	N	9 12 „
6	20.796	19.02	76.3	49.54	76.8	.0181	.8084	19.18.8	N	10 12 „
7	20.316	18.97	76.0	49.59	76.4	.0173	.8089	19.19.1	N	11 12 „
8	20.659	19.02	75.4	49.63	76.0	.0181	.8094	19.19.5	N	Midnight.
9	20.796	19.00	75.1	49.62	75.7	.0178	.8093	19.19.2	L	1 12 a. m.
10	20.590	18.99	74.7	49.67	75.5	.0176	.8098	19.19.4	L	2 12 „
11	19.973	19.08	74.6	49.78	75.2	.0191	.8110	19.19.7	L	3 12 „
12	19.767	19.21	74.4	49.83	74.9	.0213	.8116	19.19.7	L	4 12 „
13	19.699	19.04	73.5	49.88	74.3	.0185	.8121	19.20.1	C	5 12 „
14	19.630	19.04	73.6	49.89	74.0	.0185	.8122	19.20.1	C	6 12 „
15	19.150	19.25	73.5	50.64	73.9	.0219	.8205	19.23.0	C	7 12 „
16	20.110	19.47	74.3	50.87	74.0	.0256	.8230	19.23.5	C	8 12 „
17	20.865	19.67	75.6	50.64	74.5	.0288	.8205	19.22.1	N	9 12 „
18	20.865	19.98	77.3	50.26	75.3	.0338	.8163	19.19.8	N	10 12 „
19	20.796	20.17	78.8	49.90	76.5	.0370	.8124	19.17.9	N	11 12 „
20	20.385	20.22	80.1	49.65	77.8	.0378	.8096	19.16.7	N	Noon.
21	20.385	20.10	81.9	49.58	79.4	.0358	.8088	19.16.6	L	1 12 p. m.
22	20.659	19.94	82.9	49.61	80.2	.0332	.8092	19.17.1	L	2 12 „
23	20.796	19.71	82.2	49.66	80.4	.0295	.8097	19.17.8	L	3 12 „
Dec. 21st-Noon.	20.796	19.68	81.6	49.70	80.1	.0289	.8102	19.18.0	L	4 12 „
1	20.385	19.49	80.5	49.77	79.5	.0259	.8109	19.18.7	C	5 12 „
2	20.522	19.49	79.6	49.87	79.0	.0226	.8120	19.19.6	C	6 12 „
3	20.522	19.16	79.0	49.91	78.7	.0204	.8125	19.20.2	C	7 12 „
4	20.728	18.87	78.0	49.99	78.0	.0157	.8133	19.21.0	C	8 12 „
5	21.345	18.81	77.4	50.03	77.6	.0149	.8138	19.21.3	N	9 12 „
6	20.933	18.88	77.2	50.12	77.2	.0158	.8148	19.21.6	N	10 12 „
7	21.002	18.99	76.6	50.06	76.9	.0173	.8141	19.21.2	N	11 12 „
8	20.796	18.99	76.3	50.13	76.6	.0176	.8149	19.21.4	N	Midnight.
9	20.590	19.16	76.2	50.15	76.6	.0202	.8151	19.21.2	L	1 12 a. m.
10	20.385	19.28	76.1	50.17	76.4	.0224	.8153	19.21.0	L	2 12 „
11	20.110	19.22	76.0	50.22	76.3	.0214	.8159	19.21.4	L	3 12 „
12	19.836	19.22	75.7	50.19	76.0	.0214	.8155	19.21.3	L	4 12 „
13	19.630	19.26	74.7	50.11	75.3	.0221	.8147	19.20.8	C	5 12 „
14	19.630	19.27	74.3	50.17	75.0	.0223	.8153	19.21.0	C	6 12 „
15	19.218	19.46	75.0	50.28	75.0	.0254	.8165	19.21.0	C	7 12 „
16	19.904	19.77	75.9	50.27	75.1	.0305	.8164	19.20.2	C	8 12 „
17	21.415	20.11	77.5	50.13	76.1	.0360	.8149	19.19.0	N	9 12 „
18	21.345	20.30	79.3	49.81	77.0	.0391	.8114	19.17.2	N	10 12 „
19	20.728	20.50	80.3	49.80	78.0	.0424	.8113	19.16.8	N	11 12 „
20	20.796	20.36	81.7	49.72	79.1	.0401	.8104	19.16.7	N	Noon.
21	21.482	20.07	82.9	49.68	80.1	.0354	.8099	19.17.2	L	1 12 p. m.
22	21.208	19.74	83.0	49.55	80.9	.0300	.8085	19.17.3	L	2 12 „
23	20.865	19.46	82.6	49.45	81.0	.0154	.8074	19.17.4	L	3 12 „
Dec. 22nd-Noon.	20.796	19.26	82.0	49.43	80.9	.0221	.8072	19.17.7	L	4 12 „
1	20.933	19.01	81.0	49.52	80.0	.0180	.8082	19.18.7	C	5 12 „
2	20.385	18.67	80.0	49.63	79.8	.0124	.8094	19.19.9	C	6 12 „
3	20.590	18.53	79.4	49.48	79.4	.0101	.8077	19.19.6	C	7 12 „
4	20.728	18.26	78.9	49.55	78.9	.0057	.8085	19.19.9	C	8 12 „
5	21.208	18.33	78.0	49.65	78.3	.0068	.8096	19.20.2	N	9 12 „
6	21.208	18.35	77.5	49.94	78.0	.0071	.8128	19.21.5	N	10 12 „
7	21.482	18.46	77.1	50.05	77.8	.0091	.8140	19.21.7	N	11 12 „
8	21.139	18.60	77.5	50.08	77.7	.0112	.8143	19.22.1	N	Midnight.
9	20.933	18.75	77.3	50.08	77.7	.0137	.8143	19.21.7	L	1 12 a. m.
10	21.071	18.66	76.9	50.10	77.4	.0122	.8146	19.22.0	L	2 12 „
11	21.590	18.66	76.9	50.12	77.3	.0122	.8148	19.22.1	L	3 12 „

On the 20th, at about 19h. 35m., Dip as obtained by Observation was 19°52'5.

DAILY OBSERVATIONS FROM 22ND TO 26TH DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 22nd—12	20'453	18.68	76°3	50.19	77°0	8.0125	2.8155	19°22'3	L	4 12 a. m.
13	19.424	18.95	76.1	50.31	76.9	.0169	.8169	19.22.2	C	5 12 „
14	19.973	18.93	75.6	50.29	76.2	.0166	.8166	19.22.1	C	6 12 „
15	18.909	18.99	75.9	50.32	76.0	.0176	.8170	19.22.2	C	7 12 „
16	19.218	19.41	76.7	50.46	76.0	.0246	.8185	19.21.8	C	8 12 „
17	20.247	19.65	77.8	50.44	76.5	.0284	.8183	19.21.4	N	9 12 „
18	20.453	19.67	79.1	50.14	77.3	.0288	.8150	19.20.0	N	10 12 „
19	19.424	19.94	80.8	49.73	78.3	.0332	.8105	19.17.7	N	11 12 „
20	18.807	20.03	81.3	49.64	79.0	.0347	.8095	19.17.0	N	Noon.
21	19.699	19.86	82.1	49.63	79.9	.0319	.8094	19.17.4	L	1 12 p. m.
22	21.071	19.58	82.6	49.82	80.8	.0273	.8115	19.18.9	L	2 12 „
23	20.796	19.29	82.6	49.73	81.1	.0226	.8105	19.19.0	L	3 12 „
Dec. 23rd—Noon.	21.963	18.56	82.1	49.86	81.0	.0106	.8119	19.21.1	L	4 12 „
1	21.619	18.84	80.9	49.75	80·1	.0152	.8107	19.20.1	C	5 12 „
2	20.865	18.49	79.9	49.87	79.9	.0095	.8120	19.21.3	C	6 12 „
3	21.208	18.46	79.1	49.89	79.4	.0090	.8122	19·20.9	C	7 12 „
4	21.415	18.07	78.9	49.96	79.0	.0026	.8130	19.22.1	C	8 12 „
5	21.482	18.12	78.6	49.96	78.7	.0033	.8130	19.22.1	R	9 12 „
6	21.482	18.17	77.5	50.05	78.3	.0042	.8140	19.22.4	R	10 12 „
7	21.619	18.47	77.0	50.16	78.0	.0092	.8152	19.22.1	R	11 12 „
8	21.963	18.29	76.8	50.13	77.5	.0062	.8149	19.22.4	R	Midnight.
9	21.139	18.37	76.0	50.11	77.0	.0075	.8147	19.22.2	L	1 12 a. m.
10	20.796	18.34	75.7	50.40	76.7	.0070	.8179	19.23.4	L	2 12 „
11	20.865	18.39	75.3	50.23	76.4	.0078	.8160	19.22.6	L	3 12 „
12	19.973	18.45	75.1	50.26	76.1	.0088	.8163	19.22.5	L	4 12 „
13	20.385	18.46	74.9	50.31	75.9	.0090	.8169	19.22.7	C	5 12 „
14	19.081	18.67	74.2	50.35	75.1	.0124	.8173	19.23.0	C	6 12 „
15	19.767	18.55	74.1	50.61	74.8	.0104	.8192	19.24.0	C	7 12 „
16	20.179	18.70	75.0	50.70	75.0	.0129	.8202	19.24.0	C	8 12 „
17	20.933	19.24	77.0	50.58	76.0	.0218	.8198	19.22.7	R	9 12 „
18	21.895	19.42	78.2	50.40	76.5	.0247	.8179	19.21.5	R	10 12 „
19	21.345	19.65	79.8	49·84	78.0	.0284	.8117	19.19.0	R	11 12 „
20	20.042	19.67	81.1	49.67	79.0	.0288	.8098	19.17.9	R	Noon.
21	19.836	19.53	82.5	49.78	80.0	.0265	.8110	19.18.7	L	1 12 p. m.
22	20.385	19.39	82.8	49.79	80.4	.0242	.8111	19.18.9	L	2 12 „
23	21.208	19.24	82.7	49.58	80.8	.0218	.8089	19.18.4	L	3 12 „
Dec. 26th—Noon.	21.139	19.20	83.2	49.51	82.0	.0211	.8081	19.18.3	C	4 12 „
1	20.659	18.97	82.0	49.43	81.1	.0173	.8072	19.18.4	C	5 12 „
2	20.865	18.80	80.7	49.56	80.4	.0145	.8086	19.19.2	C	6 12 „
3	21.208	18.59	79.8	49.58	79.9	.0111	.8088	19.19.9	C	7 12 „
4	21.071	18.50	79.1	49.57	79.5	.0096	.8087	19.20.0	C	8 12 „
5	20.865	18.64	79.0	49.52	79.0	.0119	.8082	19.19.4	R	9 12 „
6	20.659	18.64	78·2	49.56	78.5	.0119	.8086	19.19.6	R	10 12 „
7	20.659	18.67	77.6	49.69	78.0	.0124	.8100	19.20.2	R	11 12 „
8	20.933	18.77	77.0	49.68	77.7	.0141	.8099	19.19.9	R	Midnight.
9	20.728	18.85	76.9	49·98	77.5	.0153	.8132	19.21.0	L	1 12 a. m.
10	21.415	18.84	77.2	50.08	77.6	.0152	.8143	19.21.5	L	2 12 „
11	21.208	18.70	76.9	49.95	77.5	.0129	.8129	19.21.2	L	3 12 „
12	21.402	18.89	76.8	49.94	77.3	.0160	.8128	19.20.8	L	4 12 „
13	20.659	18.96	76.6	49.95	77.0	.0171	.8129	19.20.7	C	5 12 „
14	20.542	19.02	76.3	50.01	77.0	.0181	.8136	19.20.9	C	6 12 „
15	20.453	18.84	76.3	50.00	76.5	.0152	.8135	19.21.2	C	7 12 „
16	21.551	19.09	76.7	50.15	76.7	.0193	.8151	19.21.3	C	8 12 „
17	22.854	19.37	78.0	49.96	77.0	.0239	.8130	19.19.9	R	9 12 „
18	22.581	19.93	79.2	49.54	78.0	.0298	.8084	19.17.2	R	10 12 „
19	21.071	19.98	80.5	49.11	78.6	.0338	.8026	19.14.5	R	11 12 „
20	20·110	20.03	81.8	48.85	80.0	.0347	.8028	19.13.8	R	Noon.
21	19.973	19.87	83.0	48.92	81.2	.0321	.8016	19.14.3	L	1 12 p. m.
22	20.247	19.58	84.0	48.90	82.5	.0273	.8014	19.14.9	L	2 12 „
23	20.865	19.47	84.7	48.94	82.9	.0256	.8018	19.15.2	L	3 12 „

On the 23rd, at about 19h. 45m., Dip as obtained by Observation was 19°15'9.

DAILY OBSERVATIONS FROM 27TH TO 29TH DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 27th-Noon.	21·276	19.46	84·3	49.10	82·6	8.0254	2.8036	19°16′0	L	4 12 p. m.
1	20.865	19.19	82.9	49.12	81.8	.0209	.8038	19.16.7	C	5 12 „
2	20.659	19.05	81·6	49.32	81.2	.0186	.8060	19.17.7	C	6 12 „
3	20·865	18·99	80.8	49.38	80.9	.0176	.8066	19.18.1	C	7 12 „
4	20.933	18.97	80.1	49.41	80.2	.0173	.8070	19.18.4	C	8 12 „
5	21.002	18.83	79.5	49.45	80.0	.0150	.8074	19.18.7	R	9 12 „
6	20.865	18.83	79.0	49.48	79.4	.0150	.8077	19.18.9	R	10 12 „
7	20.522	18.98	78.5	49.27	79.0	.0174	.8054	19.17.8	R	11 12 „
8	20.385	19.04	78·0	49.36	78.6	.0185	.8064	19.17.8	R	Midnight.
9	20.453	19.06	77.8	49.50	78.2	.0188	.8080	19.18.5	L	1 12 a. m.
10	20.316	19.03	77.7	49.49	78.0	.0183	.8078	19.18.6	L	2 12 „
11	20.247	18.92	77.4	49.47	77.7	.0164	.8076	19.18.7	L	3 12 „
12	20.316	19·01	76.9	49.52	77.3	.0180	.8082	19.18.7	L	4 12 „
13	20.179	19.03	76.5	49.65	77.0	.0183	.8096	19.19.3	C	5 12 „
14	20.179	19.12	76.3	49.73	76.9	.0197	.8105	19.19.4	C	6 12 „
15	20.865	19.13	76.2	49.90	76.5	.0199	.8124	19.20.1	C	7 12 „
16	22.581	19.06	76.8	49.93	76.7	.0188	.8127	19.20.4	C	8 12 „
17	22.991	19.45	77.8	49.61	77.0	.0252	.8092	19.18.1	R	9 12 „
18	21.345	19.60	79.1	48.93	77.8	.0276	.8017	19.15.0	R	10 12 „
19	19.424	19.73	80.5	48.61	78.5	.0298	.7982	19.13.2	R	11 12 „
20	19.013	19.72	81.6	48.84	79.5	.0296	.8007	19.14.3	R	Noon.
21	19.493	19.58	82.9	48.77	80.5	.0273	.7999	19.14.3	L	1 12 p. m.
22	19.150	19.41	84.0	48.70	81.7	.0246	.7992	19.14.2	L	2 12 „
23	19.356	19.38	84.4	48.67	82.4	.0240	.7989	19.14.7	L	3 12 „
Dec. 28th-Noon.	19.356	19.36	83.9	48.77	82.3	.0237	.7999	19.14.7	L	4 12 „
1	19.493	19.36	82.9	48.91	81.9	·0237	.8015	19.15·4	C	5 12 „
2	20.247	19.29	82.0	49.27	81·3	.0226	.8054	19.17.0	C	6 12 „
3	20.659	19.10	81.0	49.37	80.8	.0194	.8065	19.17.9	C	7 12 „
4	20.728	18.98	80·2	49.31	80.2	.0174	·8059	19.18.0	C	8 12 „
5	20.453	19.00	80.0	49.45	80.0	.0178	.8074	19.18.4	R	9 12 „
6	20.453	18.93	79.2	49.53	79.3	.0166	.8083	19.18.9	R	10 12 „
7	20.796	18.92	78.4	49.62	79.0	.0164	.8093	19.19.4	R	11 12 „
8	20.728	18.93	78.1	49.71	78.5	.0166	.8103	19.19.7	R	Midnight.
9	20·659	19.04	78.0	49.73	78.4	.0185	.8105	19.19.5	L	1 12 a. m.
10	21.002	19.13	77.8	49.77	78.2	.0199	.8109	19.19.5	L	2 12 „
11	21.002	19.07	77.4	49.79	78.0	.0190	.8111	19.19.7	L	3 12 „
12	21.002	18.96	76.6	49.76	77.4	.0171	.8108	19.19.9	L	4 12 „
13	20.522	19.04	76.4	49.81	77.0	.0185	.8114	19.19.8	C	5 12 „
14	20.865	19.01	75.5	49.89	76.7	.0180	.8122	19.20.3	C	6 12 „
15	21.139	19.07	75.5	50.09	76.2	.0190	.8144	19.21.0	C	7 12 „
16	21.758	19.40	76.9	50.17	76.5	.0244	.8153	19.20.8	C	8 12 „
17	22.305	19.66	78.3	49.97	77.2	.0286	.8131	19.19.2	R	9 12 „
18	22.032	19.86	79.2	49.43	77.7	.0319	.8072	19.16.4	R	10 12 „
19	20.590	19.99	80.1	48.90	78.8	.0340	.8014	19.14.0	R	11 12 „
20	20.042	20.07	81.0	48.94	79.2	.0354	.8018	19.14.0	R	Noon.
21	20.110	19.92	81.5	48.94	79.8	.0328	.8018	19.14.3	L	1 12 p. m.
22	19.081	19.80	81.9	48.96	80·3	.0309	.8020	19.14.7	L	2 12 „
23	18.944	19.73	82.0	49.17	80.5	.0298	.8043	19.15.7	L	3 12 „
Dec. 29th-Noon.	19.699	19.47	81.4	49.43	80.4	.0256	.8072	19.17.2	L	4 12 „
1	20.042	19.35	80.0	49.47	79.7	.0235	.8076	19·17.7	C	5 12 „
2	20.316	19.19	79.0	49.54	79.1	.0209	.8084	19.18.4	C	6 12 „
3	20.796	19.19	78.6	49.38	78.7	.0209	.8066	19.17.5	C	7 12 „
4	21.139	19.17	77.8	49.59	78.0	.0206	.8089	19.18.6	C	8 12 „
5	20.522	18.96	77.0	49.38	77.5	.0171	.8066	19.18.2	R	9 12 „
6	20.522	18.73	76.5	49.41	77.0	.0134	.8070	19.18.9	R	10 12 „
7	21.071	18·64	76.0	49.55	76.8	.0119	.8085	19.19.6	R	11 12 „
8	21.139	18.50	75.5	49.63	76.5	.0096	.8094	19.20.2	R	Midnight.
9	21.551	18.51	75.3	49.75	76·0	.0098	.8107	19.20.8	L	1 12 a. m.
10	21.345	18.39	75.0	49.77	75.9	.0078	.8109	19.20.6	L	2 12 „
11	21.345	18.45	74.7	49.77	75.7	·0088	.8109	19.20.4	L	3 12 „

On the 27th, at about 19h., Dip as obtained by Observation was 19°13′4.

DAILY OBSERVATIONS FROM 29TH TO 30TH DECEMBER 1858.

Date. Göttingen Mean Time. 1858.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1858.
h.										h. m.
Dec. 29th—12	20·865	18.52	74°5	49.86	75°4	8.0099	2.8119	19°21′2	L	4 12 a. m.
13	21.071	18.57	73.9	49.88	74.9	.0108	.8121	19.21.2	C	5 12 „
14	20.865	18.55	73.5	49.79	74.5	.0104	.8111	19.20.9	C	6 12 „
15	20.590	18.73	73.9	49.80	74.2	.0134	.8113	19.20.8	C	7 12 „
16	21.071	18.93	74.5	50·04	74.5	.0166	.8139	19.21.1	C	8 12 „
17	22.168	19.16	75.4	49·85	75.0	.0204	.8118	19.19.9	R	9 12 „
18	20.933	19.53	77.4	49.38	76.0	.0265	.8066	19.16.9	R	10 12 „
19	19.287	19.73	78.0	49.15	76.5	.0298	.8041	19.15.6	R	11 12 „
20	18.807	19.93	78.5	49·31	77.0	.0330	.8057	19.15.9	R	Noon.
21	19·424	19.82	78.7	49.37	77.2	.0312	.8065	19.16.4	L	1 12 p. m.
22	20.728	19.72	79.4	49.32	78.0	.0296	.8060	19.16.3	L	2 12 „
23	21.688	19.41	79.8	49·23	78.4	.0246	.8050	19.16.6	L	3 12 „
Dec. 30th-Noon.	20.796	19.32	79.5	48.97	78.4	.0230	.8021	19.15.7	L	4 12 „
1	20.042	19.21	79·0	49.08	78.6	.0213	.8033	19.16.5	C	5 12 „
2	20.247	19.12	78·5	49·32	78.1	.0196	.8060	19·17.6	C	6 12 „
3	20.590	19.03	78.2	49.40	78.0	.0183	.8069	19.18.2	C	7 12 „
4	20.728	18.94	77.9	49.46	77.9	.0168	.8075	19.18.6	C	8 12 „
5	20.659	18.99	77.5	49.39	77.9	.0176	.8067	19.18.1	R	9 12 „
6	20.728	18.92	77·0	49.49	77.5	.0164	.8078	19.18.8	R	10 12 „
7	20.728	18.97	77·2	49.33	77.5	.0173	.8061	19.18.0	R	11 12 „
8	20.728	19.02	77.2	49.55	77.5	.0181	.8085	19.18·9	R	Midnight.
9	20.659	19.07	77.1	49·55	77.5	.0190	.8085	19.18.7	L	1 12 a. m.
10	20.590	19.11	77.1	49.54	77.2	.0196	.8084	19.18.5	L	2 12 „
11	20.385	19.17	77.0	49.51	77.1	.0206	.8081	19.18.3	L	3 12 „
12	20.316	19.15	76.7	49.53	77.0	.0202	.8083	19.18.5	L	4 12 „
13	20.042	19.11	76.4	49·69	76.9	.0196	.8100	19.19.2	C	5 12 „
14	20.453	19.16	76.1	49.65	76.6	.0204	.8096	19.19.0	C	6 12 „
15	20.933	19.17	75.8	49.78	76.1	.0206	.8110	19.19.5	C	7 12 „
16	22.923	19.25	76.0	49.90	76.0	.0219	.8124	19.19.8	C	8 12 „
17	23.746	19.47	76.6	49.80	76.5	.0256	.8113	19.18.9	R	9 12 „
18	23.335	19.67	77.2	49.61	77.0	.0288	.8092	19.17.6	R	10 12 „
19	21.758	19.85	77·5	49.22	77.2	.0317	.8049	19.15.6	R	11 12 „
20	21.071	19.91	78·9	49.10	78.0	.0327	.8036	19.15.0	R	Noon.
21	21.345	19.67	79.6	49.16	78.5	.0288	.8042	19.15.7	L	1 12 p. m.
22	21.551	19.62	79.8	49.15	78.9	.0279	.8041	19.15.9	L	2 12 „
23	21.688	19.49	79.8	49.09	78.9	.0259	.8034	19.15.8	L	3 12 „

On the 30th, at about 19h. 20m., Dip as obtained by Observation was 19°46′2.

OBSERVATIONS OF INCLINATION,

1858.

NOTE.—*These Observations were taken with a Dip Circle made by Henry Barrow.*

OBSERVATIONS OF INCLINATION, 1858.

Made at Bombay about 1¼ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
JAN. 1	20°20′0	19°55′0	19°17′5	20°35′0	18°27′5	19°05′0	18°45′0	16°55′0	19°10′0	
5	20.40.0	19.02.5	20.47.5	20.35.0	18.00.0	19.25 0	18.35.0	16.40.0	19.13.1	
8	20.32.5	19.50.0	20·47.5	21.12.5	18.27·5	18.55.0	18.30.0	16.37.5	19.21.5	
12	20.20.0	19.17.5	20.12.5	21.12.5	18.17.5	19.27.5	18.35.0	16.17.5	19.11.9	
15	20.25.0	19.55.0	19.27.5	20.32.5	18.17.5	18.42·5	18.30.0	16.50.0	19.04.4	19°08′6
19	19.40.0	19.17.5	19.42.5	19.32.5	18.17.5	18.30.0	18.47.5	16.27.5	18.49.4	
22	21.00.0	19.57.5	20.27.5	20.37.5	18.42.5	18.22.5	18.30.0	16.40.0	19.17.2	
26	20.30.0	20.25.0	19.17.5	19.47.5	18.27.5	18.20.0	18.50.0	16.37.5	19.01.9	
29	20.20.0	19.52.5	20.07·5	19.42.5	18.12.5	19.10.0	18.55.0	16.47.5	19.08.4	
FEB. 2	20.20.0	20.12.5	19.42.5	19.57.5	18.32.5	19.00.0	18.50.0	16.17.5	19.06.6	
5	20.20.0	19.32.5	20.02.5	19.20.0	18.37.5	19.22.5	18.05.0	17.30.0	19.06.2	
9	20.25.0	19.15.0	20.22.5	20.10.0	18.00.0	18.55.0	18.35.0	16.57.5	19.05.0	
12	20.50.0	18.47.5	20.55.0	19.47.5	18.30.0	17.00.0	18.00.0	18.57.5	19.05.9	19.01.9
16	20.20.0	20.10.0	20.40.0	19.10.0	18.20.0	19.40.0	17.10.0	16.20.0	18.58.7	
19	20.10.0	20.32.5	19.27.5	19.50.0	18.20.0	18.50.0	18.50.0	16.12.5	19.01.3	
23	20.15.0	21.05.0	20.17.5	19.50.0	17.52.5	17.50.0	16.52.5	16.35.0	18.49.7	
MAR. 2	20.35.0	19.32.5	19.22.5	19.45.0	18.27.5	19.30.0	19.00.0	16.17.5	19.03.8	
5	20.30.0	19.37.5	19.52.5	19.22.5	18.27.5	19.50.0	18.05.0	15.57.5	18.57.8	
9	20.25.0	20.00.0	19.37.5	20.12.5	18.32.5	18.07.5	19.00.0	16.30.0	19.03.1	
12	20.35·0	20.07.5	19.32.5	20.00.0	18.02.5	17.57.5	18·40.0	16.30.0	18.55.6	
16	20.37.5	20.42.5	19.52.5	20.12.5	18.12.5	18.17.5	18.47.5	15.00.0	18.57.6	19.05.4
19	20.40.0	19.17.5	21.12.5	19.30.0	18.20.0	19.05.0	18.35.0	16.40.0	19.10.0	
23	20.27.5	20.12.5	20.42.5	19.30.0	18.17.5	19.42.5	18.40.0	16.05.0	19.12.2	
26	20.23.0	20.10.0	20.30.0	19.32.5	18.17.5	19.20.0	18.55.0	16.02.5	19.07.8	
30	20.30.0	20.17.5	20.17.5	20.20.0	18.27.5	19.42.5	18.45.0	16.27.5	19.20.9	

OBSERVATIONS OF INCLINATION, 1858.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
APR. 6	21°00'0	19°42'5	19°37'5	19°35'0	18°37'5	18°00'0	18°50'0	15°40'0	18°52'8	
9	20.20.0	19.05.0	18.55.0	20.20.0	18.02.5	18.50.0	18.40.0	15.37.5	18.41.2	
13	20.30.0	19.07.5	20.02.5	20.30.0	17.57.5	19.15.0	17.10.0	16.27.5	18.52.5	
16	20.35.0	20.20.0	19.52.5	20.17.5	18.42.5	18.17.5	18.30.0	16.10.0	19.05.6	18°57'4
20	20.15.0	20.17.5	19.02.5	20.25.0	18.12.2	18.20.0	18.20.5	16.27.5	18.55.6	
23	19.22.5	20.32.5	19.22.5	20.25.0	18.22.5	18.47.5	18.05.0	16.30.0	18.55.9	
27	19.40.0	20.50.0	19.27.5	20.32.5	18.22.5	18.37.5	18.50.0	16.22.5	19.05.3	
30	20.00.0	19.37.5	19.37.5	21.22.5	18.22.5	19.12.5	18.40.0	16.30.0	19.10.3	
MAY 4	19.55.0	20.00.0	20.47.5	20.12.5	18.37.5	18.05.0	18.32.5	16.27.5	19.08.5	
7	20.10.0	20.17.5	19.42.5	21.00.0	18.30.0	18.20.0	18.12.5	16.17.5	19.03.8	
11	20.02.5	20.12.5	20.37.5	20.40.0	18.27.5	17.20.0	17.40.0	16.42.5	18.57.8	
14	20.25.0	20.02.5	20.12.5	20.25.0	18.07.5	17.32.5	18.45.0	16.42.5	19.01.5	19.06.6
18	20.22.5	19.22.5	20.37.5	20.10.0	18.05.0	19.30.0	17.30.0	16.37.5	19.01.9	
21	20.02.5	19.42.5	20.37.5	19.55.0	18.47.5	19.10.0	18.30.0	15.22.5	19.00.9	
25	20.10.0	20.32.5	20.42.5	20.05.0	18.50.0	19.45.0	18.30.0	16.32.5	19.23.4	
28	19.55.0	20.52.5	20.42.5	20.05.0	18.02.5	20.10.0	18.50.0	15.22.5	19.15.0	
JUNE 1	20.20.0	20.37.5	20.37.5	19.55.0	18.17.5	19.40.0	17.45.0	15.40.0	19.06.6	
4	20.25.0	20.47.5	20.27.5	20.05.0	18.22.5	19.35.0	17.45.0	15.40.0	19.08.4	
8	19.50.0	20.12.5	20.25.0	19.40.0	18.52.5	19.20.0	18.30.0	15.27.5	19.02.2	
11	20.02.5	20.02.5	20.37.5	19.35.0	18.20.0	19.10.0	17.37.5	16.17.5	18.57.2	
18	20.20.0	19.27.5	20.37.5	20.30.0	18.17.5	19.02.5	17.45.0	15.57.5	18.59.7	
22	20.12.5	19.27.5	20.37.5	20.40.0	18.27.5	19.00.0	17.35.0	16.02.5	18.59.7	19.04.9
25	20.10.0	21.37.5	20.40.0	20.00.0	18.27.5	19.30.0	17.40.0	15.20.0	19.10.6	
29	20.22.5	21.37.5	20.47.5	20.20.0	18.37.5	19.27.5	17.42.5	15.07.5	19.14.7	
JULY 2	20.00.0	21.17.5	20.40.0	20.05.0	18.47.5	19.17.5	18.40.0	15.02.5	19.13.8	
6	20.20.0	21.32.5	20.42.5	20.12.5	18.02.5	19.20.0	18.17.5	14.52.5	19.10.0	
9	20.15.0	20.37.5	20.40.0	20.15.0	18.22.5	19.05.0	18.20.0	15.00.0	19.04.4	
13	20.00.0	20.07.5	20.42.5	20.57.5	18.32.5	19.20.0	18.10.0	14.47.5	19.04.7	
16	20.20.0	21.17.5	20.42.5	20.42.5	18.22.5	19.00.0	18.17.5	14.42.5	19.10.6	19.10.4
20	20.40.0	21.27.5	20.40.0	20.20.0	18.32.5	19.20.0	18.00.0	14.37.5	19.12.2	
23	20.37.5	21.12.5	21.02.5	20.25.0	18.27.5	19.40.0	18.15.0	14.42.5	19.17.8	
27	20.22.5	21.42.5	20.37.5	20.10.0	18.47.5	19.15.0	18.15.0	15.00.0	19.16.2	
30	20.05.0	21.02.5	20.37.5	20.10.0	18.32.5	19.22.5	18.00.0	14.42.5	19.04.0	
AUG. 3	20.10.0	20.22.5	20.40.0	20.00.0	18.32.5	20.00.0	18.35.0	14.57.5	19.09.7	
6	20.37.5	20.37.5	20.32.5	20.00.0	18.22.5	20.00.0	18.15.0	14.42.5	19.08.4	
10	20.07.5	20.22.5	20.37.5	20.20.0	18.22.5	20.20.0	18.15.0	14.42.5	19.08.4	
13	20.07.5	20.17.5	20.32.5	19.55.0	18.37.5	20.05.0	18.15.0	14.40.0	19.03.8	19.05.4
17	20.07.5	20.27.5	20.27.5	20.00.0	18.42.5	19.30.0	18.42.5	14.40.0	19.04.7	
20	20.15.0	20.42.5	20.32.5	20.00.0	18.37.5	19.20.0	18.47.5	14.32.5	19.05.9	
24	20.10.0	20.32.5	20.47.5	20.10.0	18.30.0	19.50.0	18.10.0	14.30.0	19.05.0	
27	20.17.5	20.00.0	20.35.0	20.05.0	18.20.0	19.40.0	18.10.0	14.32.5	18.57.5	
SEPT. 3	20.12.5	20.22.5	20.32.5	20.05.0	18.47.5	20.05.0	18.22.5	14.40.0	19.08.4	
7	20.20.0	20.00.0	20.32.5	20.00.0	18.37.5	19.32.5	18.15.0	14.42.5	19.00.0	
10	20.27.5	20.17.5	20.27.5	20.05.0	18.32.5	19.17.5	18.05.0	14.40.0	18.59.0	
14	20.17.5	19.57.5	20.27.5	20.10.0	18.22.5	19.42.5	18.15.0	14.37.5	18.58.8	19.00.9
17	20.20.0	19.57.5	20.32.5	20.17.5	18.27.5	19.32.5	18.15.0	14.47.5	19.01.2	
21	20.17.5	20.00.0	20.30.0	19.45.0	18.40.0	19.22.5	18.27.5	15.02.5	19.00.6	
24	20.12.5	20.17.5	20.32.5	19.27.5	18.42.5	19.27.5	18.15.0	15.02.5	18.59.7	
28	20.02.5	19.47.5	20.22.5	19.57.5	18.37.5	20.15.0	18.10.0	14.47.5	18.59.4	
OCT. 1	20.12.5	19.42.5	20.22.5	20.17.5	18.27.5	19.55.0	18.30.0	15.12.5	19.05.0	
5	18.20.0	18.40.0	18.30.0	18.40.0	18.55.0	19.55.0	19.55.0	19.30.0	19.02.5	
8	18.45.0	18.25.0	18.40.0	18.47.5	19.20.0	19.00.0	20.00.0	19.12.5	19.01.2	

OBSERVATIONS OF INCLINATION, 1858.

Made at Bombay about 1½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
Oct. 12	19°35'0	18°27'5	18°35'0	18°42'5	18°47'5	19°50'0	19°12'5	19°50'0	19°07'5	
15	18.42.5	18·32.5	18·45.0	18.32.5	19.40.0	19.57.5	19.42.5	19.20.0	19.09.0	
19	18.25.0	18·42.5	18.32.5	19.00.0	19.40.0	19.42.5	19.22.5	19.42.5	19.08.4	19°05'6
22	18.35.0	18·22.5	18.30.0	18,50.0	19.47.5	19.50.0	19.22.5	20.25.0	19.12.8	
26	18.05.0	18.20.0	18.27.5	18.20.0	20.25.0	19.37.5	19.15.0	19.15.0	18.58.1	
29	18.05.0	18·30.0	18.40.0	18.12.5	20.15.0	19.20.0	19.40.0	20.02.5	19.05.6	
Nov. 5	18·22.5	18·02.5	18.20.0	18.47.5	20.00.0	19.22.5	19.17.5	20.02.5	19.01.9	
9	18.37.5	19·02.5	18.32.5	18.20.0	20.10.0	19.37.5	18.42.5	19.45.0	19.05.9	
12	17.00.0	18·25.0	17.00.0	16.40.0	23.10.0	19.50.0	21.10.0	21.15.0	19.17.5	
16	17.37.5	17.02.5	17.10.0	17.12.5	21.15.0	21.17.5	20.57.5	21.22.5	19.14.4	19.13.4
19	17.22.5	17·37.5	17.25.0	17.12.5	21.10.0	21.40.0	21.02.5	21.27.5	19.22.2	
23	16·30.0	17.15.0	17.05.0	16.55.0	22.20.0	22.42.5	21.42.5	21.32.5	19.30.3	
26	16.22.5	16·57.5	17.10.0	16.12·5	21.40.0	21.27.5	22.02.5	21.07.5	19.07.5	
30	14·45.0	16·40.0	15.50.0	15.32·5	22.07.5	21.37.5	22.35.0	23.55.0	19.07.8	
Dec. 3	15.25.0	16·07·5	15.50.0	15.37.5	23.17.5	23.12.5	23.40.0	22.15.0	19.25.6	
7	17·00·0	16·57·5	17.07.5	16.55.0	21.52.5	21.57.5	21.40.0	22.05.0	19.26.9	
10	16·10·0	16·30·0	16.50.0	16.20.0	21.40.0	21.40.0	21.00.0	21.25.0	18.56.9	
14	16.20·0	17·00.0	16.55.0	16.32.5	21.10.0	21.20.0	21.22.5	21.15.0	18.59.4	
17	16.50.0	16·17·5	16.22.5	16.55.0	21.17.5	21.00.0	21.25.0	21.05.0	18.54.0	19.19.0
21	16·45.0	17·10.0	16·20.0	16.37.5	23.10.0	23.30.0	22.25.0	23.02.5	19.52.5	
24	16·57.5	17·17.5	17.12.5	16.32.5	21.20.0	21.32.5	21.10.0	22.00.5	19.15.9	
28	14·57.5	17·30.0	18.10.0	16.52.5	21.30.0	21.42.5	21.07.5	21.57.5	19.13.4	
31	15·27.5	17·52.5	18.17.5	17.00.0	22.05.0	22.17.5	21.22.5	23.50.0	19.46.2	

OBSERVATIONS, &c. FOR HORIZONTAL FORCE.

VIBRATIONS OF A·51, AND DEFLECTIONS OF 1·11, DURING THE YEAR 1858.

Month and Date.		Göttingen Time of Observation.	Time of one Vibration of A·51 (corrected).	Deflections of 1.11.		Deduced Values of		Corresponding Readings of		Corresponding Readings of	
				Deflection at V = 1f. 1.	Deflection at V = 1f. 2.	LM.	Absolute Horizontal Intensity.	Large H. Force Magnetometer (uncorrected).	Attached Thermometer.	Small H. Force Magnetometer (uncorrected).	Attached Thermometer.
	D.	H.	s.				En. Un.				
JAN.	1	20	4.070	20.470	15.767	0.0836	8.033	19.69	79°7	34.85	73°4
	9	21	.074	.474	.805	.0836	.018	18.84	78.0	33.46	74.0
	15	21	.073	.425	.745	.0835	.034	19.65	82.6	35.25	77.4
	22	20	.070	.450	.750	.0835	.038	20.20	77.9	35.04	72.9
	29	20	.069	.435	.743	.0835	.042	20.37	80.0	35.73	75.3
FEB.	5	20	.069	.445	.735	.0835	.042	19.95	78.5	35.46	73.3
	12	20	.071	.442	.742	.0835	.037	19.88	79.5	33.80	75.2
	19	20	.071	.440	.730	.0835	.039	20.11	78.8	34.05	76.0
	26	20	.070	.449	.750	.0835	.038	20.23	80.9	35.54	77.5
MARCH	5	20	.071	.472	.765	.0836	.032	19.54	80.1	34.46	77.9
	19	20	.073	.445	.732	.0835	.034	18.94	85.9	32.79	83.1
	26	20	.073	.445	.718	.0834	.036	19.24	85.3	34.11	82.4
APRIL	2	21	.074	.447	.737	.0834	.032	18.90	85.3	33.41	83.4
	9	21	.083	.517	.801	.0834	.000	16.05	87.9	29.85	86.3
	16	20	.075	.438	.745	.0834	.029	18.66	86.7	32.82	84.0
	23	20	.074	.345	.650	.0832	.052	18.73	90.3	33.12	87.9
	30	20	.074	.360	.665	.0832	.049	18.77	90.6	33.28	88.3
MAY	7	20	.081	.390	.695	.0832	.028	19.65	89.3	31.57	87.5
	14	20	.076	.348	.635	.0832	.050	18.65	89.5	32.91	87.8
	28	20	.077	.362	.675	.0832	.041	18.67	89.9	32.80	87.6
JUNE	4	20	.076	.365	.665	.0833	.045	18.51	88.6	33.31	86.7
	11	20	.077	.350	.665	.0832	.044	18.41	89.4	32.84	87.0
	28	20	.073	.417	.715	.0834	.038	18.30	86.4	32.30	84.8
JULY	2	20	.075	.388	.665	.0833	.044	18.50	86.9	33.71	85.0
	16	19	.074	.375	.697	.0833	.043	19.39	83.8	34.84	82.0
	23	19	.074	.367	.675	.0833	.047	19.35	84.9	34.85	82.4
	30	19	.076	.382	.707	.0833	.037	18.79	83.5	33.77	81.7
AUG.	7	19	.076	.352	.675	.0833	.044	18.88	83.8	33.85	81.5
	28	19	.076	.352	.665	.0833	.045	19.10	84.8	33.80	82.1
SEPT.	3	19	.078	.395	.695	.0832	.034	18.69	84.9	32.87	82.0
	16	21	.077	.355	.655	.0832	.044	19.00	83.9	33.18	81.0
	24	19	.079	.357	.677	.0831	.037	18.57	84.1	32.16	81.5
OCT.	8	22	.079	.355	.650	.0831	.041	17.59	88.4	31.30	85.4
	22	20	.079	.372	.630	.0831	.042	18.95	85.9	31.49	81.2
NOV.	12	19	.076	.317	.640	.0832	.056	20.06	82.7	31.42	78.0
	19	19	.079	.388	.702	.0832	.031	19.66	82 9	30.31	76.6
	26	19	.077	.388	.685	.0832	.035	18.76	85.8	30.43	80.5
DEC.	3	19	.077	.402	.682	.0833	.037	19.73	81.4	31.12	75.5
	10	19	.077	.325	.645	.0832	.048	19.82	82.3	30.73	77.5
	17	19	.102	.360	.680	.0830	.014	19.90	79.3	30.44	74.9
	23	21	.079	.345	.670	.0831	.040	19.10	82.6	29.22	78.0

BOMBAY MAGNETICAL OBSERVATIONS.

TERM-DAY OBSERVATIONS.

1858.

TERM-DAY OBSERVATIONS, ON THE 20TH OF JANUARY 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	20'247	19'904	20'042	19'081	19'527	19'081	19'150	19'767	20'522	20'247	19'767	19'630
5 0	20.179	20.179	19.973	19.561	19.561	18.738	19.252	20.110	20.522	20.179	19.699	19.561
10 0	20.453	20.110	20.179	19.356	19.081	18.909	19.081	20.385	20.453	20.110	19.699	19.493
15 0	20.316	20.110	19.973	19.424	19.356	18.807	19.287	20.316	20.453	20.042	19.630	19.493
20 0	20.042	20.247	19.630	19.630	19.321	18.875	19.013	20.522	20.453	20.042	19.630	19.356
25 0	20.110	20.179	19.904	19.561	19.150	19.013	19.212	20.590	20.385	19.973	19.561	19.356
30 0	19.836	20.110	19.630	19.561	19.184	19.115	19.287	20.522	20.316	19.973	19.561	19.356
35 0	19.973	19.973	19.699	19.424	19.081	19.013	19.150	20.590	20.316	19.904	19.630	19.356
40 0	20.247	20.042	19.630	19.081	19.013	18.909	19.356	20.659	20.247	19.973	19.699	19.366
45 0	20.179	20.042	19.561	19.390	19.081	18.875	19.630	20.590	20.247	19.904	19.699	19.218
50 0	20.179	19.973	19.630	19.664	18.875	18.944	19.561	20.590	20.179	19.767	19.630	19.218
55 0	20.110	19.767	19.013	19.493	19.013	19.081	19.699	20.552	20.247	19.767	19.630	19.218

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	20.04	19.99	20.10	20.15	20.30	20.40	20.58	20.70	20.81	20.70	20.44	20.12
7 0	20.02	19.99	20.11	20.21	20.32	20.38	20.56	20.70	20.82	20.70	20.44	20.08
12 0	20.06	19.98	20.14	20.20	20.28	20.40	20.55	20.73	20.82	20.66	20.45	20.02
17 0	20.00	20.02	20.15	20.23	20.32	20.40	20.57	20.75	20.80	20.65	20.45	19.99
22 0	20.02	20.06	20.20	20.23	20.37	20.36	20.56	20.76	20.79	20.64	20.43	19.94
27 0	19.99	20.06	20.16	20.20	20.35	20.41	20.60	20.78	20.78	20.62	20.39	19.91
32 0	19.96	20.08	20.16	20.20	20.41	20.49	20.62	20.79	20.76	20.58	20.35	19.90
37 0	19.96	20.08	20.17	20.24	20.37	20.56	20.64	20.78	20.75	20.53	20.32	19.88
42 0	19.99	20.08	20.17	20.25	20.40	20.61	20.63	20.79	20.76	20.50	20.30	19.85
47 0	19.99	20.10	20.15	20.27	20.45	20.53	20.66	20.79	20.75	20.45	20.26	19.82
52 0	19.99	20.11	20.21	20.30	20.44	20.52	20.68	20.78	20.73	20.45	20.21	19.80
57 0	19.97	20.10	20.16	20.28	20.43	20.57	20.69	20.80	20.71	20.45	20.16	19.79
Therm.	72°2	71°9	70°7	70°5	68°0	70°2	70°1	71°3	73°0	75°0	76°0	76°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	23.55	23.70	23.65	23.73	23.80	23.90	24.10	24.17	23.95	23.60	23.40	23.11
8 0	23.55	23.72	23.70	23.81	23.87	23.99	24.10	24.19	23.91	23.59	23.38	23.08
13 0	23.60	23.66	23.66	23.80	23.76	23.97	24.10	24.20	23.86	23.56	23.35	23.04
18 0	23.59	23.63	23.71	23.80	23.76	24.01	24.18	24.20	23.84	23.53	23.32	22.98
23 0	23.60	23.67	23.74	23.89	23.75	21.04	24.13	24.21	23.80	23.52	23.32	22.97
28 0	23.58	23.66	23.72	23.89	23.79	21.08	24.08	24.18	23.78	23.50	23.30	22.96
33 0	23.60	23.66	23.75	23.86	23.84	21.10	24.10	24.17	23.75	23.50	23.28	22.94
38 0	23.60	23.66	23.72	23.82	23.81	21.06	24.14	24.16	23.73	23.50	23.26	22.93
43 0	23.60	23.62	23.75	23.85	23.79	21.05	24.15	24.12	23.69	23.49	23.24	22.92
48 0	23.64	23.65	23.81	23.82	23.80	21.10	24.15	24.07	23.68	23.48	23.20	22.92
53 0	23.63	23.65	23.73	23.77	23.80	21.09	24.15	24.06	23.66	23.45	23.17	22.92
58 0	23.58	23.68	23.78	23.83	23.85	21.11	24.18	24.01	23.62	23.43	23.13	22.92
Therm.	73°0	72°7	72°0	71°3	71°0	70°8	70°5	71°0	72°0	73°3	74°1	75°0

TERM-DAY OBSERVATIONS, ON THE 20TH OF JANUARY 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	19'356	19'836	20'179	20'385	20'316	20'042	20'179	20'659	20'179	20'179	20'042	19'836
5 0	19.424	19.836	20.316	20.453	20.316	20.042	20.144	20.179	19.767	19.767	20.385	19.836
10 0	19.424	19.904	20.316	20.385	20.447	20.110	19.979	20.042	19.973	20.385	20.110	20.042
15 0	19.493	19.973	20.316	20.453	20.179	20.179	20.179	20.316	19.630	19.973	20.247	19.973
20 0	19.493	19.973	20.316	20.453	20.179	20.110	20.144	20.179	20.042	20.110	20.179	20.042
25 0	19.424	19.973	20.385	20.590	20.179	20.247	20.144	19.973	20.385	20.385	20.042	20.042
30 0	19.493	19.973	20.385	20.522	20.110	20.385	20.179	20.042	19.973	20.110	20.110	20.110
35 0	19.424	20.042	20.453	20.590	20.110	20.316	20.179	20.110	20.247	20.659	20.042	20.316
40 0	19.493	20.042	20.453	20.385	20.110	20.316	20.316	20.179	20.042	19.767	20.179	20.110
45 0	19.561	20.042	20.453	20.179	20.110	20.213	20.110	19.767	20.110	20.179	20.042	19.904
50 0	19.630	20.110	20.453	20.247	20.110	20.179	19.973	20.179	19.904	19.973	19.836	20.042
55 0	19.699	20.110	20.385	20.247	20.042	19.979	20.179	20.316	20.973	20.179	19.973	20.179

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.80	19.68	19.58	19.57	19.56	19.60	19.83	19.79	19.89	20.09	20.17	20.31
7 0	19.82	19.65	19.57	19.56	19.55	19.60	19.81	19.80	20.00	20.14	20.05	20.28
12 0	19.85	19.65	19.54	19.58	19.52	19.62	19.82	19.85	20.00	20.09	20.12	20.23
17 0	19.81	19.65	19.54	19.60	19.53	19.63	19.92	19.88	19.96	20.13	20.16	20.22
22 0	19.80	19.62	19.54	19.63	19.53	19.62	19.85	19.86	19.94	20.09	20.11	20.22
27 0	19.77	19.61	19.54	19.65	19.53	19.66	19.91	19.90	19.99	20.11	20.16	20.24
32 0	19.75	19.60	19.54	19.65	19.52	19.71	19.83	19.89	19.97	20.18	20.20	20.25
37 0	19.73	19.59	19.54	19.65	19.51	19.74	19.87	19.92	19.98	20.11	20.28	20.25
42 0	19.72	19.59	19.54	19.63	19.56	19.75	19.81	19.99	19.92	20.14	20.26	20.23
47 0	19.69	19.60	19.52	19.65	19.57	19.71	19.81	19.90	20.03	20.16	20.28	20.20
52 0	19.70	19.59	19.52	19.55	19.58	19.77	19.80	19.92	20.02	20.10	20.29	20.19
57 0	19.70	19.57	19.53	19.56	19.59	19.83	19.84	19.98	20.09	20.10	20.30	20.20
Therm.	77°8	77°9	77°3	76°3	75°0	74°5	73°5	73°0	72°2	71°8	71°6	71°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	22.92	23.02	23.20	23.33	23.86	23.98	24.13	24.20	24.19	24.26	24.35	24.45
8 0	22.93	23.05	23.20	23.32	23.88	24.01	24.12	24.20	24.28	24.30	24.39	24.49
13 0	22.94	23.05	23.24	23.34	23.81	24.02	24.06	24.18	24.30	24.27	24.33	24.42
18 0	22.94	23.06	23.26	23.36	23.88	24.07	24.16	24.18	24.24	24.26	24.34	24.44
23 0	22.96	23.05	23.28	23.35	23.86	24.05	24.18	24.19	24.27	24.33	24.36	24.45
28 0	22.98	23.06	23.30	23.36	23.87	24.06	24.22	24.19	24.26	24.34	24.36	24.44
33 0	22.98	23.08	23.31	23.36	23.92	24.08	24.16	24.20	24.25	24.31	24.39	24.45
38 0	22.98	23.11	23.30	23.75	23.92	24.08	24.18	24.05	24.26	24.40	24.46	24.46
43 0	22.99	23.12	23.31	23.75	23.96	24.10	24.20	24.13	24.32	24.36	24.48	24.45
48 0	23.00	23.16	23.31	23.71	23.95	23.98	24.22	24.14	24.28	24.36	24.45	24.50
53 0	23.01	23.20	23.31	23.78	93.94	24.00	24.16	24.26	24.27	24.32	24.44	24.50
58 0	23.01	23.20	23.31	23.77	23.94	24.00	24.19	24.25	24.29	24.37	24.45	24.53
Therm.	76°0	76°7	76°7	76°0	75°3	75°0	74°5	73°8	73°2	72°8	72°5	72°1

TERM-DAY OBSERVATIONS, ON THE 26TH OF FEBRUARY 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'356	19'287	19'218	19'218	19'630	20'590	21'482	21'826	21'002	18'670	17'915	17'572
5 0	19.356	19.287	19.150	19.218	19.699	20.728	21.688	21.895	20.796	18.670	17.846	17.641
10 0	19.356	19.287	19.150	19.218	19.699	20.728	21.758	21.826	20.590	18.532	17.709	17.846
15 0	19.356	19.287	19.081	19.218	19.630	20.933	21.758	21.826	20.316	18.395	17.641	17.846
20 0	19.356	19.287	19.081	19.218	19.699	21.139	21.826	21.688	20.042	18.327	17.641	17.915
25 0	19.356	19.287	19.150	19.218	19.699	21.208	21.619	21.619	19.973	18.258	17.572	17.915
30 0	19.356	19.287.	19.150	19.287	19.767	21.071	21.826	21.619	19.767	18.258	17.572	17.915
35 0	19.356	19.287	19.150	19.356	19.836	21.276	21.895	21.619	19.493	18.052	17.503	18.052
40 0	19.356	19.218	19.287	19.493	19.973	21.415	21.826	21.551	19.356	17.984	17.572	18.189
45 0	19.287	19.218	19.287	19.493	20.247	21.415	21.826	21.482	19.287	18.052	17.778	18.189
50 0	19.287	19.218	19.287	19.356	20.316	21.482	21.826	21.276	19.013	18.052	17.778	18.189
55 0	19.287	19.218	19.287	19.493	20.385	21.551	21.826	21.071	18.944	17.984	17.641	18.189

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.40	19.40	19.48	19.47	19.67	19.73	20.05	20.35	20.53	20.37	20.16	19.92
7 0	19.40	19.42	19.49	19.47	19.61	19.72	20.06	20.37	20.52	20.32	20.12	19.82
12 0	19.41	19.41	19.49	19.49	19.61	19.78	20.12	20.38	20.52	20.31	20.11	19.81
17 0	19.41	19.42	19.48	19.53	19.62	19.76	20.15	20.38	20.49	20.27	20.10	19.83
22 0	19.41	19.43	19.49	19.50	19.64	19.82	20.20	20.43	20.45	20.26	20.08	19.74
27 0	19.41	19.38	19.47	19.53	19.60	19.85	20.20	20.44	20.41	20.25	20.09	19.72
32 0	19.41	19.40	19.46	19.59	19.59	19.85	20.20	20.45	20.38	20.23	20.10	19 69
37 0	19.38	19.41	19.45	19.55	19.57	19.88	20.20	20.46	20.36	20.31	20.06	19.62
42 0	19.40	19.44	19.45	19.60	19.59	19.82	20.25	20.49	20.35	20.27	20.00	19.58
47 0	19.40	19.47	19.49	19.56	19.63	19.85	20.25	20.49	20.36	20.23	19.90	19 57
52 0	19.39	19.48	19.46	19.56	19.69	19.82	20.28	20.50	20.42	20.19	19.88	19.57
57 0	19.38	19.48	19.50	19.63	19.68	19.90	20.32	20.53	20.43	20.18	19.94	19.55
Therm.	78°0	77°8	77°7	77°4	77°0	76°5	76°9	78°4	80°0	80°2	81°2	82°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	23.77	23.74	23.82	23.82	23.92	24.04	23.90	23.50	22.90	22.70	22.98	23.10
8 0	23.76	23.72	23.79	23.80	23.90	24.05	23.90	23.48	22.88	22.75	23.00	23.15
13 0	23.75	23.73	23.81	23.84	23.92	24.00	23.88	23.43	22.83	22.77	23.00	23.18
18 0	23.73	23.77	23.82	23.87	23.90	24.00	23.82	23.38	22.80	22.78	23.00	23.17
23 0	23.75	23.78	23.81	23.83	23.92	24.00	23.80	23.35	22.80	22.78	23.02	23.20
28 0	23.74	23.79	23.78	23.85	23.95	24.00	23.80	23.35	22.80	22.80	23.02	23.22
33 0	23.76	23.77	23.79	23.90	23.94	23.99	23.75	23.25	22.78	22.83	23.04	23.21
38 0	23.71	23.74	23.83	23.92	23.94	24.00	23.73	23.22	22.76	22.80	23.04	23.27
43 0	23.73	23.75	23.85	23.93	24.05	24.00	23.66	23.15	22.75	22.85	23.11	23.27
48 0	23.72	23.74	23.85	23.93	24.07	24.00	23.65	23.10	22.72	22.90	23.18	23.27
53 0	23.72	23.81	23.84	23.97	24.05	24.00	23.58	23.05	22.70	22.95	23.18	23.23
58 0	23.73	23.82	23.83	23.94	24.03	23.92	23.52	22.98	22.70	22.95	23.10	23.26
Therm.	78°9	78°5	78°2	78°0	77°6	77°1	77°4	78°0	79°0	79°7	80°2	81°4

TERM-DAY OBSERVATIONS, ON THE 26TH OF FEBRUARY 1858.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18'395	18'807	19'081	18'944	19'013	19'699	19'013	19'493	19'287	19'287	20'247	19'424
5 0	18.395	18.944	19.081	18.875	19.081	19.630	19.150	19.081	19 081	19.287	20.110	19.424
10 0	18.464	19.013	19.150	18.944	19.218	19.699	18.875	19.081	19.218	19.218	19.973	19.493
15 0	18.464	19.013	19.081	18.875	19.493	19.630	18.875	19.150	19.218	19.150	19.904	19.493
20 0	18.464	19.013	19.081	19.013	19.424	19.424	19.013	19.150	19.287	19.424	19.904	19.561
25 0	18.532	19.081	19.013	19.013	19.630	19.356	19.150	19.150	19.081	19.356	19.836	19.424
30 0	18.601	19.013	19.013	19.013	19.630	19.287	19.218	18.807	19.150	19.630	19.699	19.630
35 0	18.601	19.081	19.013	19.013	19.493	19.013	19.013	18.807	19.218	19.836	19.699	19.356
40 0	18.601	19.081	18.807	19.013	19.699	18.807	18.875	18.944	19.218	20.042	19.767	19.287
45 0	18.670	19.150	18.944	19.013	19.699	19.013	19.218	18.875	19.218	20.042	19.699	19.218
50 0	18.670	19.150	18.944	19.013	19.699	19.150	19.287	19.150	19.287	20.110	19.356	19.218
55 0	18.670	19.150	18.944	89.013	1.9699	19.013	19.218	19.218	19.218	20.247	19.493	19.013

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.55	19.35	19.23	19.61	19.55	19.41	19.59	19.63	19.62	19.48	19.30	19.59
7 0	19.54	19.22	19.22	19 62	19.54	19.40	19.64	19.74	19.68	19.43	19.32	19.54
12 0	19.48	19.21	19.20	19.61	19.52	19.42	19.69	19.69	19.73	19.39	19.26	19.63
17 0	19.50	19.26	19.24	19.68	19.50	19.46	19.78	19.54	19.66	19.44	19.20	19.56
22 0	19.50	19.27	19.29	19.64	19.48	19.50	19.72	19.55	19.64	19.38	19.17	19.49
27 0	19.48	19.22	19.30	19.61	19.45	19.59	19.92	19.67	19.66	19.40	19.30	19.47
32 0	19.46	19.20	19.31	19.58	19.41	19.67	19.97	19.77	19.62	19.45	19.35	19.48
37 0	19.47	19.24	19.32	19.58	19.48	19.72	19.02	19.83	19.59	19.34	19.37	19.42
42 0	19.45	19.23	19.50	19.60	19.45	19.76	19.98	19.97	19.54	19.36	19.42	19.40
47 0	19.41	19.23	19.61	19.64	19.43	19.65	19.96	19.78	19.51	19.40	19.47	19.47
52 0	19.41	19.24	19.59	19.57	19.41	19.56	19.99	19.58	19.51	19.35	19.45	19.48
57 0	19.35	19.23	19.62	19.57	19.38	19.65	19.74	19.43	19.48	19.37	19.55	19.48
Therm.	82°2	82°4	82°0	81°0	80°0	79°3	79°0	78°4	78°0	77°5	77°3	77°0

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	23.27	23.25	23.19	23.22	23.29	23.40	23.44	23.53	23.60	23.60	23.74	23.69
8 0	23.25	23.26	23.20	23.25	23.31	23.41	23.44	23.44	23.68	23.68	23.68	23.67
13 0	23.27	23.24	23.20	23.27	23.32	23.41	23.40	23.55	23.66	23.66	23.64	23.71
18 0	23.26	23.22	23.20	23.27	23.35	23.41	23.50	23.56	23.54	23.54	23.65	23.75
23 0	23.25	23 19	23.20	23.30	23.35	23.36	23.50	23.56	23.58	23.58	23.65	23.77
28 0	23.25	23.21	23.21	23.32	23.35	23.38	23.45	23.51	23.59	23.59	23.64	23.75
33 0	23.25	23.20	23.20	23.32	23.37	23.37	23.45	23.51	23.49	23.49	23.66	23.74
38 0	23.25	23.20	23.19	23.30	23.35	23.39	23.45	23.46	23.58	23.58	23.66	23.75
43 0	23.25	23.19	23.16	23.30	23.38	23.40	23.45	23.54	23.64	23.64	23.68	23.74
48 0	23.25	23.19	23.20	23.31	23.38	23.45	23.45	23.56	23.67	23.67	23.76	23.73
53 0	23.25	23.19	23.20	23.32	23.38	23.45	23.48	23.62	23.74	23.74	23.70	23.73
58 0	23.25	23.19	23.21	23.28	23.39	23.44	23.58	23.62	23.75	23.75	23.72	23.74
Therm.	81°9	82°3	82°3	81°9	81°1	80°4	80°0	79°5	79°0	78°4	78°2	78°0

TERM-DAY OBSERVATIONS, ON THE 24TH OF MARCH 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	20'247	20'316	20'590	20'659	20'247	20'728	21'071	20'385	19'836	18'601	18'189	17'915
5 0	20.179	20.522	20.590	20.728	20.453	20.865	21.071	20.316	19.767	18.532	18.189	17.915
10 0	20.042	20.453	20.659	20.590	20.522	21.002	21.002	20.316	19.836	18.532	18.121	17.984
15 0	20.247	20.453	20.659	20.728	20.316	21.071	21.002	20.316	19.699	18.395	17.984	18.121
20 0	20.453	20.522	20.659	20.659	20.316	21.002	21.002	20.316	19.699	18.395	18.052	18.121
25 0	20.453	20.453	20.590	20.728	20.659	21.071	21.071	20.385	19.630	18.327	18.052	18.121
30 0	20.590	20.385	20.728	20.728	20.522	21.139	20.933	20.385	19.424	18.258	17.984	18.189
35 0	20.385	20.385	20.728	20.590	20.453	21.139	20.933	20.316	19.356	18.189	17.984	18.395
40 0	20.385	20.316	20.728	20.453	20.659	21.071	20.796	20.316	19.218	18.121	17.984	18.532
45 0	20.522	20.316	20.659	20.385	20.865	21.104	20.728	20.179	19.081	18.121	17.984	18.601
50 0	20.522	20.590	20.796	20.453	20.728	21.071	20.522	20.042	19.013	18.189	17.915	18.738
55 0	20.590	20.590	20.796	20.453	20.659	21.071	20.453	19.973	18.875	18.357	17.915	18.738

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.30	18.39	18.47	18.71	19.05	19.00	19.44	20.05	20.04	19.95	19.41	19.02
7 0	18.28	18.42	18.46	18.78	19.07	18.99	19.61	20.06	20.00	19.92	19.45	19.00
12 0	18.29	18.42	18.47	18.80	19.08	19.00	19.52	20.08	19.95	19.90	19.43	18.95
17 0	18.29	18.44	18.47	18.88	19.12	19.04	19.54	20.01	19.90	19.87	19.34	18.91
22 0	18.30	18.43	18.52	18.92	19.14	19.04	19.60	19.97	19.90	19.83	19.24	18.90
27 0	18.32	18.45	18.55	19.02	19.15	19.05	19.62	19.91	19.90	19.80	19.19	18.90
32 0	18.36	18.45	18.58	19.03	19.11	19.08	19.66	19.92	19.90	19.78	19.18	18.89
37 0	18.38	18.44	18.59	19.02	19.13	19.15	19.81	19.95	19.91	19.72	19.12	18.88
42 0	18.38	18.44	18.58	18.99	19.10	19.19	19.85	20.00	19.90	19.70	19.08	18.88
47 0	18.39	18.44	18.61	19.00	19.07	19.25	19.85	20.02	19.86	19.62	19.08	18.88
52 0	18.40	18.44	18.66	19.01	19.06	19.33	19.95	20.03	19.88	19.50	19.07	18.87
57 0	18.39	18.46	18.68	19.03	19.07	19.42	20.00	20.08	19.87	19.42	19.04	18.83
Therm.	83°4	83°0	82°9	82°7	82°7	82°4	82°8	83°4	84°6	85°6	86°5	87°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	22.72	22.74	22.72	22.84	22.82	22.80	22.67	22.46	22.35	22.12	22.28	22.35
8 0	22.73	22.72	22.78	22.85	22.81	22.82	22.60	22.46	22.35	22.14	22.24	22.37
13 0	22.72	22.71	22.81	22.86	22.81	22.80	22.64	22.48	22.38	22.14	22.23	22.40
18 0	22.71	22.70	22.80	22.85	22.83	22.80	22.65	22.50	22.35	22.12	22.28	22.45
23 0	22.70	22.70	22.80	22.86	22.84	22.80	22.63	22.54	22.32	22.12	22.30	22.48
28 0	22.69	22.70	22.80	22.88	22.84	22.80	22.60	22.54	22.30	22.13	22.31	22.50
33 0	22.69	22.71	22.82	22.86	22.83	22.76	22.58	22.52	22.28	22.15	22.30	22.51
38 0	22.70	22.71	22.83	22.84	22.84	22.77	22.55	22.50	22.27	22.17	22.32	22.55
43 0	22.70	22.72	22.83	22.85	22.83	22.75	22.52	22.48	22.24	22.22	22.34	22.56
48 0	22.72	22.72	22.84	22.83	22.86	22.70	22.52	22.42	22.24	22.23	22.34	22.60
53 0	22.73	22.72	22.84	22.83	22.86	22.70	22.58	22.40	22.22	22.30	22.34	22.60
58 0	22.74	22.72	22.83	22.82	22.85	22.68	22.46	22.38	22.18	22.28	22.34	22.62
Therm.	83°0	82°9	82°6	82°6	82°6	82°2	82°6	83°0	83°7	84°4	85°5	86°1

TERM-DAY OBSERVATIONS, ON THE 24TH OF MARCH 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18'875	20'247	20'728	20'110	18'738	19'081	18'944	19'013	19'424	19'630	19'836	19'699
5 0	18.875	20.385	20.728	20.042	18.670	19.013	18.944	19.013	19.356	19.493	19.836	19.561
10 0	19.013	20.385	20.728	19.904	18.670	18.944	18.944	19.013	19.493	19.356	19.767	19.630
15 0	19.150	20.385	20.728	19.699	18.670	19.013	18.944	19.218	19.493	19.493	19.630	19.561
20 0	19.287	20.590	20.590	19.561	18.601	19.013	19.081	19.218	19.493	19.493	19.561	19.630
25 0	19.356	20.590	20.522	19.493	18.670	19.013	19.081	19.218	19.561	19.630	19.561	19.356
30 0	19.424	20.590	20.453	19.287	18.670	18.944	19.150	19.356	19.493	19.561	19.630	19.356
35 0	19.630	20.659	20.385	19.287	18.670	18.944	19.081	19.218	19.561	19.699	19.561	19.424
40 0	19.836	20.522	20.385	19.218	18.807	18.944	19.081	19.218	19.493	19.836	19.493	19.493
45 0	19.973	20.453	20.316	19.150	18.944	18.944	18.944	19.150	19.493	19.836	19.561	19.356
50 0	20.042	20.453	20.247	19.013	19.081	18.944	19.013	19.356	19.493	19.904	19.424	19.356
55 0	20.110	20.522	20.110	18.807	19.081	18.944	19.218	19.356	19.561	19.904	19.561	19.356

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.89	18.60	18.47	18.40	18.55	18.35	18.28	18.29	18.08	18.25	18.22	18.30
7 0	18.95	18.61	18.41	18.41	18.55	18.33	18.29	18.29	18.07	18.23	18.18	18.35
12 0	18.91	18.61	18.35	18.41	18.55	18.34	18.29	18.32	18.05	18.22	18.19	18.35
17 0	18.90	18.61	18.35	18.41	18.55	18.27	18.30	18.32	18.05	18.18	18.20	18.44
22 0	18.90	18.60	18.35	18.42	18.55	18.22	18.30	18.32	18.05	18.18	18.20	18.42
27 0	18.83	18.60	18.37	18.43	18.49	18.22	18.32	18.30	18.05	18.22	18.22	18.46
32 0	18.83	18.53	18.38	18.50	18.45	18.24	18.31	18.24	18.05	18.22	18.25	18.45
37 0	18.79	18.53	18.37	18.50	18.49	18.27	18.30	18.19	18.05	18.21	18.25	18.48
42 0	18.73	18.56	18.40	18.50	18.47	18.27	18.30	18.17	18.05	18.23	18.25	18.51
47 0	18.71	18.57	18.42	18.52	18.43	18.28	18.30	18.11	18.04	18.23	18.26	18.53
52 0	18.70	18.56	18.40	18.51	18.38	18.28	18.30	18.11	18.04	18.24	18.25	18.54
57 0	18.64	18.54	18.40	18.53	18.35	18.28	18.29	18.09	18.14	18.22	18.27	18.63
Therm.	87°3	87°3	87°0	86°3	85°6	85°3	85°0	85°0	84°8	84°6	84°2	83°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	22.60	22.64	22.36	22.14	22.07	22.30	22.31	22.36	22.44	22.43	22.54	22.55
8 0	22.58	22.62	22.35	22.10	22.10	22.31	22.30	22.36	22.45	22.40	22.50	22.56
13 0	22.60	22.60	22.34	22.06	22.14	22.30	22.30	22.36	22.45	22.45	22.49	22.57
18 0	22.61	22.56	22.30	22.05	22.17	22.35	22.30	22.37	22.46	22.50	22.48	22.56
23 0	22.60	22.54	22.24	22.04	22.18	22.35	22.30	22.37	22.47	22.52	22.46	22.56
28 0	22.65	22.52	22.24	22.03	22.21	22.30	22.33	22.38	22.50	23.52	22.46	22.55
33 0	22.62	22.50	22.20	22.01	22.22	22.30	22.33	22.44	22.50	22.52	22.48	22.55
38 0	22.62	22.46	22.18	22.00	22.24	22.30	22.34	22.45	22.46	22.53	22.46	22.56
43 0	22.63	22.40	22.18	22.02	22.26	22.29	22.34	22.44	22.46	22.54	22.48	22.54
48 0	22.63	22.38	22.15	22.04	22.27	22.30	22.34	22.44	22.47	22.54	22.50	22.55
53 0	22.63	22.37	22.15	22.04	22.32	22.31	22.34	22.43	22.47	22.54	22.53	22.55
58 0	22.63	22.37	22.15	22.06	22.30	22.31	22.34	22.43	22.44	22.54	22.55	22.56
Therm.	86°8	87°1	87°3	87°0	86°5	86°1	85°7	85°0	84°9	84°7	84°7	84°4

TERM-DAY OBSERVATIONS, ON THE 21ST OF APRIL 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'482	20'796	20'865	20'728	22'101	22'512	22'305	21'826	21'139	20'659	19'424	18'875
5 0	21.208	21.071	21.071	20.865	22.237	22.649	22.237	21.758	21.071	20.590	19.356	18.875
10 0	21.139	21.002	21.002	21.002	21.963	22.444	22.237	21.758	21.002	20.385	19.287	18.875
15 0	21.276	21.139	21.002	21.071	21.619	22.374	22.271	21.688	21.002	20.385	19.287	19.013
20 0	20.728	21.139	21.071	21.071	21.895	22.374	22.305	21.688	20.002	20.247	19.150	19.013
25 0	21.208	21.071	21.002	21.002	22.444	22.237	22.237	21.619	20.865	20.110	19.150	19.013
30 0	20.728	21.276	20.865	21.071	23.030	22.305	22.168	21.638	20.933	20.110	19.081	19.013
35 0	20.728	20.728	20.590	21.276	23.030	22.237	21.895	21.551	20.865	20.042	19.013	19.081
40 0	20.865	21.071	20.728	21.551	22.649	22.237	21.895	21.415	20.865	19.973	19.013	19.218
45 0	20.590	20.728	20.933	21.758	22.718	22.305	21.895	21.415	20.865	19.699	19.013	19.218
50 0	21.071	20.865	20.728	21.758	22.374	22.581	21.895	21.345	20.865	19.561	19.013	19.218
55 0	21.071	20.796	20.728	21.758	22.444	22.374	21.963	21.276	21.796	19.493	18.944	19.356

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.07	18.08	17.93	17.79	17.71	17.56	17.42	17.81	17.87	17.88	17.83	17.70
7 0	18.03	18.07	17.90	17.78	17.68	17.45	17.48	17.81	17.86	17.87	17.85	17.70
12 0	18.10	18.05	17.87	17.80	17.60	17.52	17.50	17.80	17.85	17.87	17.84	17.64
17 0	18.10	17.97	17.88	17.79	17.45	17.63	17.57	17.80	17.84	17.87	17.82	17.62
22 0	18.05	17.96	17.85	17.82	17.41	17.68	17.62	17.81	17.85	17.86	17.81	17.60
27 0	18.00	17.95	17.85	17.85	17.43	17.74	17.68	17.85	17.88	17.81	17.81	17.59
32 0	18.12	17.92	17.85	17.83	17.57	17.79	17.70	17.87	17.87	17.81	17.79	17.60
37 0	18.05	17.96	17.84	17.83	17.53	17.80	17.72	17.89	17.87	17.81	17.78	17.60
42 0	18.04	17.95	17.80	17.78	17.46	17.80	17.73	17.93	17.89	17.84	17.78	17.60
47 0	18.05	17.90	17.78	17.78	17.47	17.84	17.76	17.95	17.90	17.83	17.72	17.54
52 0	18.06	17.91	17.77	17.76	17.54	17.69	17.79	17.92	17.90	17.82	17.70	17.50
57 0	17.98	17.93	17.76	17.73	17.60	17.51	17.82	17.91	17.89	17.81	17.70	17.48
Therm.	85°1	84°8	85°0	85°0	85°0	85°0	85°7	87°1	88°9	90°0	90°0	90°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	21.75	21.74	21.75	21.81	22.02	21.94	21.89	21.43	21.22	21.07	20.95	21.02
8 0	21.76	21.74	21.76	21.85	22.02	21.99	21.83	21.42	21.22	21.05	20.94	21.04
13 0	21.76	21.75	21.78	21.85	22.00	21.99	21.75	21.38	21.21	21.05	20.95	21.08
18 0	21.70	21.75	21.78	21.85	22.03	21.90	21.72	21.38	21.22	21.02	20.96	21.08
23 0	21.70	21.75	21.78	21.85	22.06	21.87	21.69	21.36	21.22	21.02	20.98	21.09
28 0	21.70	21.75	21.75	21.96	22.10	21.87	21.65	21.34	21.20	21.00	20.98	21.10
33 0	21.70	21.75	21.75	21.98	22.11	21.85	21.60	21.32	21.17	21.01	20.00	21.10
38 0	21.70	21.75	21.75	21.98	22.05	21.83	21.55	21.28	21.16	20.98	21.00	21.10
43 0	21.70	21.73	21.77	22.00	22.01	21.81	21.53	21.25	21.15	20.95	21.00	21.10
48 0	21.72	21.75	21.78	22.04	22.01	21.80	21.52	21.24	21.13	20.96	21.02	21.12
53 0	21.73	21.75	21.76	22.01	21.95	21.85	21.50	21.24	21.12	20.96	21.02	21.15
58 0	21.71	21.74	21.76	22.01	21.94	21.88	21.44	21.22	21.08	20.98	21.02	21.18
Therm.	86°3	86°0	86°0	85°9	85°7	85°9	86°3	87°2	88°4	89°1	89°4	90°0

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
4	C	≀ in E hor.; ≀ above E and SE hor.; ≀ scattered about hor.	
6	H	≀ and ≀ scattered throughout, former moving E.	
4	H	≀ scattered about; light ≀ above E and SE hor.	
4	H	≀ around hor.; ≀ above NE hor.; light ≀ above E and SE hor.; a passing shower of rain at 3h. 56m.	
6	H	≀ scattered throughout, moving E; ≀ above hor. from E to S.	
4	B	≀ around hor., moving E; light ≀ scattered about zth. in N and S.	
5	B	≀ around hor.; ≀ in SE.	
5	B	≀ around hor.; ≀ in S hem.; a few drops of rain at 7h. 18m.	
5	B	≀ scattered about, moving E.	
3	C	≀ around hor.; ≀ scattered about; a lunar-halo.	
8	C	Overcast with ≀ and ≀, former moving E.	
8	C	Overcast with ≀, moving E.	
8	C	Overcast with ≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.04; the Temperature of deduced Dew-Point at 5 P. M. was 74°4, the lowest in the month.
7	H	Densely clouded with ≀.	
3	H	≀ scattered about hor.	
4	H	≀ scattered about	
7	H	Densely clouded with ≀, moving E.	
7	C	" "	
8	C	≀ and ≀ scattered throughout; drizzling rain between 6h. 19m. to 6h. 33m.	
8	C	Overcast; breaks in NE; drizzling rain at 7h. 57m. which lasted 6m.	
8	C	Overcast; no rain	
8	B	Overcast; break in N.	
8	B	Uniformly overcast.	
8	B	"	
7	B	Densely clouded with ≀ and ≀, former moving E; light rain at 12h. 18m. which lasted 7m.	
6	H	≀ and ≀ scattered throughout.	
7	H	" "	
8	H	Overcast with ≀ and ≀, former moving E.	
8	H	Overcast with ≀, moving E; drizzling rain at 4h. 54m.	
8	B	Overcast; rain ceased at 5h. 18m.	
5	B	≀ scattered about hor, moving E; ≀ scattered about; light ≀ in N of zth.	
3	B	≀ scattered about hor.; moving E; ≀ in SE and E; a few drops of rain at 7h. 55m.	
6	B	≀ scattered throughout, moving E; a lunar-halo.	
4	C	≀ scattered about hor., moving E; ≀ scattered about; a lunar-halo.	
7	C	≀ and ≀ scattered throughout; a lunar-halo.	
6	C	≀ and ≀ scattered throughout.	
8	C	Overcast with ≀, moving E; light rain from 0h. 23m. to 0h. 28m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.17.
5	H	≀ scattered about, moving E; a passing shower of rain at 1h. 16m.	
8	H	Overcast with ≀, moving E.	
8	H	" "	
6	H	≀ scattered throughout; heavy rain and wind at 4h. 54m.	
8	C	Overcast; rain ceased at 5h. 9m.	
7	C	≀ scattered about; light ≀ in zth.	
8	C	Overcast with ≀, moving ENE.	
8	C	Overcast; drizzling rain from 8h. 38m. to 8h. 42m.	
8	B	Overcast; break above N hor.	
8	B	Overcast; break above W hor.	
8	B	Overcast with ≀, moving E.	
7	B	≀ scattered throughout, moving ENE.	
8	H	Overcast with ≀, moving ENE.	
7	H	Densely clouded with ≀ and ≀, former moving ENE.	
7	H	Densely clouded with ≀ and ≀.	
7	H	Densely clouded with ≀; patches of ≀ in S; light ≀ in SE; drizzling rain at 4h. 58m.	
8	B	Overcast with ≀, moving E; rain ceased at 5h. 5m. but recommenced at 5h. 52m. which lasted 5m.	
8	B	Overcast with ≀, moving E.	
8	B	Overcast with ≀, moving ENE; ≀ above W hor.	
8	B	Overcast with ≀, moving ENE.	
8	C	Overcast with ≀, moving E.	
8	C	" "	
8	C	≀ and ≀ scattered throughout; a lunar-halo; light shower of rain at 11h. 12m. which lasted 4m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Scale of Volta 1.	Electrical Instruments. Readings of Scale of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 22nd-Midnight	29.715	28.786	80°4	78°4	2°0	77°6	0.92	81°2	82°3	W	0.4					
1 a. m.	.698	.758	80.2	78.6	1.6	78.0	.93	81.0	82.2	„	½ to 1½					
2 „	.686	.833	79.4	76.2	3.2	75.0	.87	79.0	82.0	„	0.2	0.04				
3 „	.680	.756	79.4	78.0	1.4	77.5	.94	80.2	82.0	„	0.6					
4 „	.680	.754	79.2	78.0	1.2	77.5	.95	80.2	81.9	WSW	½ to ¾					
5 „	.691	.762	78.2	77.8	0.4	77.6	.98	79.7	81.7	„	½ to 2½	0.04				
6 „	.711	.784	79.1	78.0	1.1	77.6	.95	79.9	81.6	„	0.3					
7 „	.728	.835	78.5	77.0	1.5	76.4	.94	79.7	81.5	„	½ to 2¾					
8 „	.744	.793	80.7	79.0	1.7	78.4	.93	81.9	81.5	„	0.3					
9 „	.755	.771	82.3	80.2	2.1	79.4	.91	83.1	81.7	„	0.2					
10 „	.764	.779	83.4	80.5	2.9	79.5	.88	84.3	82.0	„	½ to ¾					
11 „	.758	.748	84.3	81.3	3.0	80.3	.88	85.3	82.2	„	½ to ¾					
Noon.	.758	.741	87.3	82.2	5.1	80.5	.81	87.4	82.7	„	½ to ¾		None.	None.	None.	None.
1 p. m.	.747	.732	86.6	82.0	4.6	80.4	.83	86.8	82.9	W b S	0.3					
2 „	.732	.673	81.4	81.7	0.3	81.8	1.00	83.0	82.5	W b N	½ to 2½	0.02				
3 „	.728	.715	84.4	81.4	3.0	80.4	0.88	85.2	82.8	W b S	0.3	0.20				
4 „	.718	.834	81.2	77.5	3.7	76.1	.85	81.0	82.8	W b N	½ to 3½					
5 „	.721	.769	82.1	79.4	2.7	78.4	.89	83.0	82.6	W	0.4	0.04				
6 „	.735	.797	81.9	79.0	2.9	77.9	.88	82.8	82.6	„	0.3					
7 „	.743	.808	81.1	78.7	2.4	77.8	.90	82.1	82.6	„	0.3					
8 „	.765	.828	80.9	78.7	2.2	77.9	.91	81.8	82.4	W b S	0.3					
9 „	.783	.843	80.6	78.7	1.9	78.1	.92	81.7	82.3	„	0.3					
10 „	.789	.857	80.6	78.5	2.1	77.7	.91	81.4	82.2	„	0.3					
11 „	.788	.865	80.5	78.3	2.2	77.4	.91	81.4	82.2	„	0.4					
July 23rd-Midnight	.780	.851	80.4	78.4	2.0	77.6	.92	81.2	82.1	W	0.3					
1 a. m.	.759	.823	80.2	78.5	1.7	77.9	.92	81.2	82.1	„	0.3					
2 „	.748	.827	79.6	78.0	1.6	77.4	.93	80.5	82.0	„	½ to 2½	0.01				
3 „	.742	.854	79.0	77.0	2.0	76.2	.92	79.4	82.0	„	½ to ¾					
4 „	.742	.823	79.8	78.0	1.8	77.3	.92	80.6	81.9	„	0.5					
5 „	.755	.839	80.0	78.0	2.0	77.2	.92	81.1	81.7	„	0.3					
6 „	.776	.839	80.1	78.5	1.6	77.9	.93	81.1	81.7	W b S	0.2					
7 „	.793	.874	80.6	78.2	2.4	77.3	.90	82.0	81.7	WNW	0.3					
8 „	.824	.905	82.5	78.7	3.8	77.3	.85	83.2	81.8	W	0.4					
9 „	.829	.863	79.7	78.9	0.8	78.9	.97	81.3	81.8	„	½ to 3¼	0.02				
10 „	.830	.875	82.7	79.6	3.1	78.5	.88	83.2	82.0	WSW	½ to 1½					
11 „	.832	.856	85.0	80.7	4.3	79.2	.83	85.0	82.4	W	0.3					
Noon.	.821	.938	85.4	78.6	6.8	76.0	.74	84.2	82.7	„	1 to 2¼		None.	None.	None.	None.
1 p. m.	.801	.816	85.4	81.0	4.4	79.5	.83	85.7	83.0	WSW	0.4	0.03				
2 „	.773	.823	84.6	80.0	4.6	78.3	.82	85.2	82.9	„	0.8					
3 „	.763	.787	86.2	81.0	5.2	79.2	.80	86.2	83.0	„	0.2					
4 „	.753	.778	86.3	81.0	5.3	79.2	.80	86.2	83.1	„	0.3					
5 „	.752	.833	83.6	79.0	4.6	77.3	.82	83.8	83.1	„	0.2					
6 „	.752	.807	82.4	79.3	3.1	78.2	.87	83.0	82.8	„	0.4					
7 „	.769	.827	81.5	79.0	2.5	78.1	.90	82.8	82.7	„	¼ to 1					
8 „	.788	.852	81.3	78.8	2.5	77.9	.90	82.5	82.7	SW b W	0.2					
9 „	.805	.878	81.0	78.5	2.5	77.6	.90	82.1	82.5	WSW	0.2					
10 „	.809	.889	80.8	78.3	2.5	77.3	.90	82.0	82.5	„	0.2					
11 „	.801	.886	80.2	78.0	2.2	77.2	.91	81.4	82.3	„	½ to ¾					
July 24th-Midnight	.786	.871	80.2	78.0	2.2	77.2	.91	81.4	82.3	WSW	½ to ¾					
1 a. m.	.763	.841	78.8	77.8	1.0	77.4	.96	80.2	82.0	„	0.6	0.05				
2 „	.744	.839	78.6	77.3	1.3	76.8	.95	79.6	82.0	„	0.4	0.07				
3 „	.736	.791	78.2	78.2	0.0	78.2	1.00	79.6	81.8	„	½ to 1	0.15				
4 „	.734	.803	78.7	78.0	0.7	77.7	.97	80.0	81.7	„	0.4					
5 „	.731	.800	79.0	77.8	1.2	77.3	.99	80.5	81.6	„	0.4					
6 „	.737	.808	79.2	77.8	1.4	77.3	.98	80.5	81.5	„	0.3					
7 „	.748	.805	80.0	78.6	1.4	78.1	.94	82.8	81.6	„	½ to ¾					
8 „	.761	.819	81.5	79.2	2.3	78.4	.90	83.0	81.6	„	¼ to 1¾					
9 „	.771	.798	82.5	80.0	2.5	79.1	.90	83.5	81.9	„	¼ to 1					
10 „	.772	.806	84.5	80.3	4.2	78.9	.84	84.4	82.2	„	0.4					
11 „	.767	.769	85.8	81.4	4.4	79.9	.83	85.6	82.5	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimi.	
8	C	Overcast with ≀≀, moving E; light shower of rain at 0h. 18m. which lasted 2m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.31in.
8	H	Overcast; rain accompanied with gusts of wind commenced at 1h. 57m.	
8	H	Overcast; rain ceased at 2h. 3m.	
8	H	Overcast; light rain at 3h. 45m. which lasted 5m.	
3	H	≀≀ scattered about hor.; light rain at 4h. 35m. which lasted 5m.	
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast with ≀≀ and ≀≀; rain at 6h. 46m. which lasted 3m.	
8	B	Overcast; breaks about zth.	
8	B	Overcast; break in W; a few drops of rain at 8h. 10m.	
8	G	Densely clouded with ≀≀ and ≀≀; break about zth.	
8	G	Densely clouded with ≀≀ and ≀≀, former moving ENE.	
8	G	Densely clouded with ≀≀, moving E; breaks about zth.	
7	N	≀≀ scattered throughout, moving E; a passing shower of rain at 12h. 30m.	
7	H	≀≀ and ≀≀ scattered throughout; a passing shower of rain at 1h. 18m. and light rain at 1h. 35m. which lasted 11m.	
7	H	Densely clouded with ≀≀ and ≀≀; no rain.	
7	H	Densely clouded; rain commenced at 3h. 52m.	
8	H	Overcast with ≀≀; rain ceased at 4h. 6m.	
8	B	Overcast; breaks in S.	
8	B	Overcast; breaks in S and E.	
4	B	≀≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.07in.; the reading of Barometer at 11 A. M. was greatest in the month, and about 0.118in. greater than the Normal Mean.
5	B	≀≀ scattered about; light rain at 8h. 18m. which lasted 3m.	
6	C	≀≀ scattered about; ≀≀ in SW and NW.	
4	C	≀≀ scattered around hor.; ≀≀ about zth.	
4	C	≀≀ around hor.; dense ≀≀ scattered about zth.	
5	C	≀≀ scattered about, moving E; ≀≀ in W hem.	
3	H	≀≀ and ≀≀ scattered about hor., both moving E; rain and wind at 1h. 23m.	
6	H	≀≀ scattered throughout; ≀≀ in S, SW, & W above hor.; rain & wind at 2h. 50m.	
8	H	Overcast with ≀≀, moving E.	
8	H	" "	
5	B	≀≀ scattered about.	
6	B	≀≀ scattered throughout; light ≀ above N and S hor.; rain at 6h. 18m. which lasted 4m.	
6	B	≀≀ scattered about; ≀≀ in E hem.; dense ≀ above E hor.	
5	B	≀≀ scattered about, moving E; ≀≀ above E & SW hor.; light rain at 8h. 30m. which lasted 6m.	
7	C	≀≀ around hor.; ≀≀ scattered about; drizzling rain at 9h. 18m. which lasted 9m.	
6	C	≀≀ scattered throughout.	
6	C	≀≀, ≀≀, and ≀ scattered throughout, former moving ENE.	
8	C	Overcast with ≀≀, moving E; light rain at 12h. 2m. which lasted 5m.	
7	H	≀≀ and ≀≀ scattered throughout, former moving NE; ∩∩ around hor.	
7	H	∩∩ around hor.; ≀≀ and ≀≀ scattered throughout.	
7	H	≀≀ scattered throughout, moving NE.	
5	H	∩∩ around hor.; ≀≀ and ≀≀ scattered about.	
7	B	∩∩ in NE and E hor.; ≀≀ and ≀ above SW hor.; ≀≀ scattered throughout, moving ENE.	
7	B	∩∩ in E hor.; ≀ above W hor.; ≀≀ scattered about, moving E.	
8	B	Overcast with ≀≀; dense ≀ above W hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.33in.
7	B	≀≀ scattered throughout; a few patches of ≀≀ above S hor.	
5	C	≀≀ scattered about, moving E.	
5	C	≀≀ scattered about; light rain at 10h. 17m. which lasted 3m.	
6	C	≀≀ around hor.; ≀≀ scattered about.	
7	C	Densely clouded with ≀≀ and ≀≀, both moving E; light rain at 0h. 12m. which lasted 6m.	
6	H	Densely clouded with ≀≀ and ≀≀; showers of rain at 1h. 52m. which lasted 4m.	
8	H	Overcast with ≀≀ a break in NW; a shower of rain at 2h. 30m. which lasted 5m.	
7	H	Densely clouded with ≀≀ and ≀≀, both moving E.	
5	H	≀≀ scattered about, moving E.	
6	B	" "	
7	B	≀≀ scattered about; a few drops of rain at 6h. 31m.	
5	B	≀≀ scattered about; ≀≀ above N hor.; ≀ above NW and S hor.	
5	B	≀≀ scattered about; ≀ in S above hor.	
4	C	≀≀ scattered about; light ≀ here and there.	
5	C	≀≀ scattered about, moving E.	
4	C	" "	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 24th—Noon.	29.753	28.784	86°0	80°8	5°2	79°0	0.80	86°0	82°7	W S W	0.3					
1 p.m.	.727	.740	86.8	81.4	5.4	79.5	.80	86.8	83.0	,,	0.3					
2 ,,	.711	.729	87.2	81.4	5.8	79.4	.78	87.2	83.2	W b S	¼ to 1½					
3 ,,	.691	.700	84.8	81.0	3.8	79.7	.85	85.2	83.1	,,	¼ to 1½	0·05				
4 ,,	.670	.670	84.2	81.0	3.2	80.0	.87	85.2	83.0	,,	½ to 1½					
5 ,,	.666	.724	83.5	79.5	4.0	78.1	.84	84.2	83.0	WSW	0.5					
6 ,,	.674	.759	82.1	78.5	3.6	77.2	.86	83.0	82.8	W b S	¼ to ¾					
7 ,,	.685	.753	81.0	78.6	2.4	77.7	.90	82.6	82.7	,,	0.3					
8 ,,	.695	.781	81.0	78.2	2.8	77.1	.88	82.4	82.7	W S W	0.4					
9 ,,	.708	.775	80.5	78.5	2.0	77.8	.92	81.9	82.5	W b S	0.8					
10 ,,	.720	.797	80.2	78.2	2.0	77.4	.92	81.5	82.3	,,	¼ to ¾					
11 ,,	.708	.777	79.8	78.3	1.5	77.7	.94	81.2	82.2	,,	0.4					
July 26th—Midnight	.676	.736	80.2	78.6	1.6	78.0	.93	81.2	81.8	SW b W	0.5					
1 a.m.	.654	.775	78.0	76.5	1.5	75.9	.94	78.2	81.8	W S W	0.3	0·05				
2 ,,	.638	.674	78.8	78.8	0.0	78.8	1.00	78.2	81.6	SW b W	0.5					
3 ,,	.634	.748	75.6	76.0	0.4	76.1	.00	76.6	81.2	W N W	¼ to 5½	0·24				
4 ,,	.636	.756	76.2	76.0	0.2	75.9	0.99	76.4	81.0	,,	0 to 2	0·52				
5 ,,	.638	.739	76.8	76.6	0.2	76.5	.99	77.4	80.7	,,	2 to 4	0·17				
6 ,,	.655	.767	76.2	76.2	0.0	76.2	1.00	77.4	80.6	,,	½ to 3½	0.03				
7 ,,	.667	.781	77.8	76.6	1.2	76.1	0.95	79.1	80.5	W S W	½ to 3¾					
8 ,,	.683	.778	79.3	77.5	1.8	76.8	.92	80.4	80.7	,,	1 to 1¾					
9 ,,	.690	.741	80.9	79.0	1.9	78.3	.92	82.0	81.1	,,	¾ to 1					
10 ,,	.698	.729	82.5	79.9	2.6	79.0	.90	83.0	81.4	,,	0.3					
11 ,,	.692	.692	84.0	81.0	3.0	80.0	.88	84.4	81.5	,,	0.4					
Noon.	.677	.719	83.2	79.8	3.4	78.6	.86	84.0	81.9	,,	½ to 1¾					
1 p.m.	.668	.721	84.2	79.8	4.4	78.2	.83	84.7	82.0	W	½ to 1½					
2 ,,	.650	.652	85.8	81.4	4.4	79.9	.83	85.9	82.3	W S W	½ to 1					
3 ,,	.626	.650	84.2	80.5	3.7	79.2	.85	84.7	82.4	,,	0.5					
4 ,,	.625	.694	81.8	78.8	3.0	77.7	.88	82.8	82.2	,,	½ to 2					
5 ,,	.634	.689	82.0	79.2	2.8	78.2	.89	82.9	82.2	W	½ to 1½					
6 ,,	.641	.700	81.6	79.0	2.6	78.0	.89	82.7	82.2	W b S	½ to 1½					
7 ,,	.658	.711	81.1	79.0	2.1	78.2	.91	82.2	82.2	W S W	¼ to ¾					
8 ,,	.674	.724	80.8	79.0	1.8	78.3	.92	82.0	82.1	,,	0.3					
9 ,,	.686	.777	78.6	77.6	1.0	76.9	.96	79.0	81.8	W N W	¼ to 1½	0.10				
10 ,,	.681	.739	79.2	78.4	0.8	78.1	.97	80.2	81.7	W S W	½ to 1½	0.03				
11 ,,	.674	.729	79.4	78.5	0.9	78.2	.96	80.8	81.6	,,	½ to 1½					
July 27th—Midnight	.658	.699	80.0	79.0	1.0	78.6	.96	81.0	81.6	WSW	½ to 1½					
1 a.m.	.633	.707	79.2	78.0	1.2	77.5	.95	80.2	81.5	,,	1 to 6½					
2 ,,	.633	.680	79.8	78.8	1.0	78.4	.96	80.8	81.5	W	¾ to 2					
3 ,,	.626	.709	80.0	78.0	2.0	77.2	.92	81.0	81.5	,,	¾ to 1½					
4 ,,	.628	.692	80.2	78.5	1.7	77.9	.93	81.2	81.5	,,	1 to 1¾					
5 ,,	.644	.759	79.3	77.0	2.3	76.1	.89	80.2	81.5	,,	½ to 1½					
6 ,,	.660	.760	79.6	77.7	1.9	76.6	.92	80.8	81.4	,,	½ to 3½					
7 ,,	.679	.792	79.8	77.2	2.6	76.2	.89	80.2	81.4	,,	½ to 3¾					
8 ,,	.695	.815	77.6	76.4	1.2	75.9	.95	78.9	81.1	WSW	½ to 3¼	0.05				
9 ,,	.711	.792	78.0	77.5	0.5	77.3	.98	78.6	81.0	WNW	½ to 3	0.06				
11 ,,	.709	.794	78.4	77.5	0.9	77.2	.96	79.5	81.0	W	1 to 2½					
10 ,,	.711	.776	81.1	78.7	2.4	77.8	.90	82.0	81.2	WNW	½ to 1					
Noon.	.696	.774	80.8	80.0	0.8	77.4	.97	82.2	81.2	W	½ to 2¼	0.05				
1 p.m.	.678	.707	80.4	79.4	1.0	79.0	.96	81.5	81.2	W b S	0.4	0.03				
2 ,,	.664	.690	81.0	79.6	1.4	79.1	.94	81.5	81.5	W	0.8					
3 ,,	.650	.694	80.3	79.0	1.3	78.5	.95	81.0	81.5	,,	½ to 1¼	0.01				
4 ,,	.650	.694	80.3	79.0	1.3	78.5	.95	81.2	81.5	W b S	0.5					
5 ,,	.651	.698	79.8	78.8	1.0	78.4	.96	81.2	81.3	W b N	0.3	0.03				
6 ,,	.662	.752	79.1	77.6	1.5	77.0	.94	80.5	81.3	W b S	¼ to 1¼					
7 ,,	.665	.727	78.1	78.0	0.1	77.9	1.00	79.7	81.0	,,	0.2	0.10				
8 ,,	.674	.751	77.7	77.5	0.2	77.4	0.99	79.0	81.0	W b N	0.2	0.36				
9 ,,	.689	.767	77.8	77.5	0.3	77.4	.99	79.0	80.8	WNW	0.8	0.02				
10 ,,	.699	.763	78.3	78.0	0.3	77.9	.99	79.4	80.8	W b N	0.6					
11 ,,	.693	.790	77.6	77.0	0.6	76.7	.97	78.1	80.7	,,	0.4	0.01				

TERM-DAY OBSERVATIONS, ON THE 23RD OF JUNE 1858.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	19'699	20'247	19'424	20'247	21'278	21'002	20'865	20'453	21'071	20'110	19'356	20'179
5 0	19.904	20.110	19.630	20.385	21.343	20.796	20.865	20.728	21.071	19.767	19.561	20.179
10 0	20.042	19.973	19.861	19.973	21.895	20.728	20.728	20.659	20.728	19.630	19.699	20.042
15 0	20.247	20.042	19.836	19.973	21.482	21.071	20.728	20.659	20.728	19.630	19.904	20.042
20 0	20.316	19.699	19.904	19.973	21.415	21.002	20.933	20.522	20.865	19.356	19.904	20.042
25 0	20.385	19.493	20.042	20.179	21.415	21.139	20.865	20.865	20.796	19.356	19.904	20.247
30 0	20.316	19.767	19.904	20.316	21.345	21.071	20.865	21.071	20.728	19.336	20.110	20.247
35 0	20.247	19.767	19.973	20.728	21.415	20.590	21.071	20.865	21.002	19.356	20.247	20.247
40 0	20.189	19.836	20.189	20.796	21.276	20.728	20.728	20.933	21.002	19.356	20.247	20.316
45 0	20.042	19.699	20.042	20.865	21.002	20.865	20.659	20.865	20.865	19.356	20.247	20.386
50 0	20.110	19.630	19.836	21.002	21.276	20.865	20.316	20.728	20.796	19.356	20.179	20.385
55 0	20.110	19.424	19.973	21.139	20.933	20.796	20.728	21.071	20.453	19.218	20.179	20.453

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	16.97	17.14	17.17	17.36	17.56	17.37	17.24	17.07	17.30	17.78	17.80	17.83
7 0	16.94	17.20	17.14	17.36	17.50	17.30	17.21	17.00	17.31	17.77	17.80	17.83
12 0	16.94	17.13	17.12	17.35	17.42	17.25	17.14	17.10	17.32	17.85	17.78	17.83
17 0	17.00	17.04	17.11	17.33	17.40	17.20	17.09	17.12	17.27	17.85	17.84	17.83
22 0	17.02	17.11	17.16	17.30	17.41	17.16	17.07	17.25	17.30	17.95	17.95	17.83
27 0	17.08	17.10	17.22	17.32	17.44	17.17	17.10	17.05	17.30	17.95	17.80	17.86
32 0	17.05	17.05	17.22	17.28	17.43	17.14	17.08	17.23	17.31	17.98	17.76	17.87
37 0	17.11	17.06	17.30	17.21	17.42	17.12	17.10	17.07	17.37	18.00	17.80	17.95
42 0	17.05	17.05	17.34	17.21	17.45	17.21	17.13	17.13	17.45	18.00	17.80	18.12
47 0	17.06	17.07	17.34	17.30	17.45	17.23	17.15	17.25	17.42	17.99	17.76	18.09
52 0	17.06	17.09	17.32	17.44	17.38	17.17	17.15	17.29	17.42	17.95	17.78	18.17
57 0	17.05	17.11	17.36	17.55	17.39	17.20	17.10	17.34	17.65	17.88	17.81	18.24
Therm.	82°5	82°0	81°4	81°0	80°8	81°0	81°1	80°5	80°2	81°2	81°5	81°3

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	21.85	21.85	21.95	22.14	22.23	22.22	22.39	22.40	22.35	22.10	22.20	22.24
8 0	21.85	21.82	22.04	22.15	22.27	22.45	22.35	22.38	22.35	22.05	22.20	22.24
13 0	21.82	21.84	22.04	22.13	22.25	22.53	22.33	22.34	22.35	22.05	22.22	22.22
18 0	21.88	21.85	22.09	22.17	22.24	22.51	22.32	22.35	22.35	22.08	22.25	22.20
23 0	21.92	21.85	22.10	22.15	22.22	22.49	22.33	22.38	22.35	22.08	22.22	22.20
28 0	21.87	21.83	22.05	22.24	22.21	22.46	22.35	22.40	22.35	22.06	22.25	22.22
33 0	21.80	21.85	22.06	22.26	22.21	22.44	22.46	22.35	22.34	22.10	22.24	22.22
38 0	21.75	21.85	22.10	22.27	22.20	22.45	22.35	22.38	22.34	22.10	22.25	22.20
43 0	21.74	21.92	22.16	22.28	22.20	22.42	22.35	22.35	22.32	22.15	22.25	22.22
48 0	21.77	21.89	22.15	22.23	22.19	22.44	22.34	22.35	22.26	22.15	22.27	22.22
53 0	21.82	21.87	22.12	22.22	22.19	22.45	22.33	22.35	22.22	22.14	22.27	22.25
58 0	21.82	21.95	22.15	22.24	22.21	22.45	22.42	22.35	22.10	22.18	22.26	22.20
Therm.	83°2	82°5	81°5	81°0	80°7	81°0	81°2	81°0	81°0	81°5	81°8	81°6

TERM-DAY OBSERVATIONS, ON THE 21ST OF JULY 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'150	19'081	19'287	19'493	20'316	21'139	21'276	20'247	18'670	17'435	16'886	16'337
5 0	19.081	19.150	19.287	19.493	20·522	21.071	21.208	20.110	18.601	17.263	16.886	16.269
10 0	19·013	19.150	19.356	19.699	20.590	21.139	21.139	19.973	18.532	17.160	16.817	16.269
15 0	18.944	19.150	19.356	19.767	20.590	21.139	21.139	19.836	18.395	17.092	16.749	16.269
20 0	18.944	19.218	19.356	19.767	20.590	21.345	21.071	19.699	18.189	17.023	16.714	16.200
25 0	18.944	19.218	19·356	19.973	20.590	21.345	21.071	19.561	18.189	17.023	16.680	16.200
30 0	19.013	19.218	19.493	20.042	20.659	21.345	20.933	19.493	17.984	16.955	16.612	16.200
35 0	19.013	19.218	19.561	20.042	20.796	21.415	20·796	19.356	17.846	16.955	16.612	16.200
40 0	19.013	19.218	19.356	20.042	20.865	21.415	20.728	19.289	17.778	16.886	16.543	16.131
45 0	19.013	19.287	19.493	20.042	20.933	21.415	20.659	19.081	17.572	16.817	16.474	16.131
50 0	19.081	19.287	19.561	20 247	21.071	21.415	20.453	18.944	17.503	16.749	16.474	16.131
55 0	19.081	19.287	19.561	20.247	21.071	21.345	20.385	18.807	17.298	16.749	16.337	16.131

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.37	18.42	18.48	18.49	18.58	18.75	18.98	19.09	19.32	19·26	19.09	19.01
7 0	18.38	18.42	18.48	18.49	18.58	18.81	18.98	19.09	19.30	19.26	19.07	19.00
12 0	18.42	18.42	18.50	18.50	18.59	18.81	18.98	19.15	19·31	19.25	19.07	18.90
17 0	18.42	18.43	18.50	18.50	18.60	18.84	18.98	19·18	19.30	19.21	19.04	18.90
22 0	18.42	18.43	18.50	18.49	18.61	18.87	19.00	19.20	19.29	19.20	19.03	18.91
27 0	18.42	18.44	18.49	18·52	18.61	18.87	19.01	19.21	19.28	19.18	19.04	18.91
32 0	18.42	18.45	18·48	18.55	18.62	18.86	19.05	19.21	19.25	19·17	19.02	18.90
37 0	18.42	18.46	18.46	18.57	18.64	18.88	19.08	19.23	19.26	19·17	19.03	18.90
42 0	18.42	18.46	18.45	18.59	18.65	18.90	19.09	19.27	19.27	19.15	19.04	18.89
47 0	18.41	18.46	18.46	18·59	18.66	18.92	19.08	19·29	19.30	19.16	19.06	18.89
52 0	18.41	18.46	18.45	18.59	18.68	18.94	19.08	19.30	19.30	19.14	19.06	18.86
57 0	18.41	18.46	18.46	18.59	18.70	18·97	19.09	19.32	19.28	19.10	19.04	18.83
Therm.	82°0	82°0	82°0	81°7	81°8	81°5	82°2	82°9	83°5	83°8	85°0	85°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	25.38	25.42	25.45	25.56	25.63	25.70	25.65	25.38	25.17	25.65	25.50	25.56
8 0	25.38	25.42	25.46	25.56	25.64	25.72	25.63	25.36	25.15	25.63	25.52	25.56
13 0	25.40	25.44	25.46	25.56	25.65	25.72	25.62	25.32	25.12	25.60	25.52	25.58
18 0	25.40	25·44	25.46	25.57	25.65	25.71	25.61	25.30	25.10	25.60	25.52	25.60
23 0	25.40	25.44	25.47	25.57	25.66	25.70	25.60	25.28	25.08	25.58	25.55	25.60
28 0	25.40	25.44	25.47	25.59	25.66	25.70	25.59	25.27	25.07	25.55	25.55	25.60
33 0	25.41	25.45	25.48	25.60	25.67	25·70	25.57	25.26	25.65	25.52	25.55	25.64
38 0	25.41	25.45	25.50	25.61	25.67	25.69	25.52	25.25	25.60	25.50	25.55	25.64
43 0	25.42	25.45	25.46	25.62	25·67	25.68	25.50	25.23	25.65	25.50	25.55	25.64
48 0	25.42	25.45	25.50	25.62	25.68	25.66	25.48	25.20	25.65	25.50	25.55	25.65
53 0	25.42	25.45	25.51	25.62	25.68	25.65	25.42	25.19	25.66	25.50	25.55	25.68
58 0	25.42	25.45	25.56	25.62	25.68	25.65	25.40	25.18	25.65	25.50	25.56	25.70
Therm.	82°6	82°4	82°4	82°2	82°3	81°9	82°3	82°6	83°0	83°5	84°1	84°9

TERM-DAY OBSERVATIONS, ON THE 21ST OF JULY 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	16'200	17'229	18'464	18'807	18'464	18'052	18'121	18'327	18'464	18'670	18'875	19'218
5 0	16.406	17.229	18.532	18.807	18.395	18.052	18.121	18.327	18.464	18.670	18.875	19.218
10 0	16.474	17.229	18.670	18.807	18.395	18.052	18.052	18.395	18.464	18.670	18.875	19.287
15 0	16.474	17.298	18.670	18.738	18.395	18.121	18.052	18.395	18.464	18.738	18.807	19.287
20 0	16.612	17.435	18.738	18.738	18.327	18.121	18.052	18.464	18.532	18.738	18.944	19.287
25 0	16.612	17.572	18.738	18.738	18.327	18.189	18.052	18.464	18.532	18.738	19.013	19.287
30 0	16.749	17.778	18.738	18.738	18.258	18.189	18.121	18.464	18.601	18.738	19.013	19.287
35 0	16.817	17.778	18.738	18.670	18.189	18.189	18.189	18.532	18.601	18.875	19.013	19.356
40 0	16.955	17.846	18.807	18.601	18.189	18.189	18.258	18.532	18.670	18.807	19.150	19.356
45 0	17.023	18.052	18.807	18.601	18.121	18.121	18.258	18.532	18.670	18.670	19.150	19.356
50 0	17.092	18.258	18.807	18.601	18.052	18.121	18.258	18.532	18.670	18.807	19.218	19.287
55 0	17.092	18.327	18.807	18.532	18.052	18.121	18.327	18.464	18.670	18.875	19.218	19.287

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.81	18.60	18.30	18.30	18.30	18.18	18.20	18.21	18.30	18.31	18.35	18.31
7 0	18.79	18.59	18.32	18.31	18.30	18.19	18.20	18.21	18.31	18.31	18.33	18.31
12 0	18.75	18.56	18.32	18.31	18.30	18.20	18.19	18.22	18.31	18.31	18.30	18.30
17 0	18.71	18.54	18.37	18.31	18.30	18.20	18.19	18.25	18.31	18.32	18.34	18.30
22 0	18.70	18.51	18.35	18.31	18.28	18.20	18.20	18.24	18.29	18.33	18.32	18.30
27 0	18.62	18.50	18.34	18.30	18.26	18.20	18.20	18.25	18.29	18.34	18.32	18.31
32 0	18.60	18.50	18.33	18.30	18.23	18.20	18.20	18.27	18.31	18.34	18.33	18.33
37 0	18.60	18.51	18.32	18.29	18.21	18.20	18.19	18.28	18.31	18.33	18.35	18.36
42 0	18.61	18.45	18.31	18.29	18.20	18.19	18.20	18.28	18.31	18.33	18.34	18.36
47 0	18.60	18.34	18.30	18.30	18.18	18.20	18.20	18.28	18.31	18.32	18.35	18.40
52 0	18.60	18.30	18.30	18.30	18.16	18.20	18.21	18.28	18.31	18.30	18.35	18.43
57 0	18.60	18.30	18.30	18.30	18.18	18.20	18.21	18.29	18.31	18.31	18.34	18.40
Therm.	84°0	84°6	83°6	83°5	83°5	83°3	83°1	82°9	82°8	82°7	82°6	82°7

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	25.70	25.84	25.85	25.82	25.95	26.00	26.05	26.16	26.09	26.06	26.05	26.10
8 0	25.72	25.82	25.85	25.83	25.93	26.02	26.05	26.17	26.09	26.07	26.05	26.10
13 0	25.75	25.82	25.82	25.83	25.92	26.03	26.05	26.16	26.09	26.07	26.06	26.08
18 0	25.77	25.80	25.82	25.84	25.92	26.05	26.07	26.12	26.09	26.07	26.06	26.10
23 0	25.77	25.80	25.82	25.85	25.94	26.05	26.09	26.10	26.07	26.08	26.07	26.10
28 0	25.80	25.80	25.81	25.87	25.96	26.06	26.09	26.09	26.05	26.09	26.06	26.10
33 0	25.80	25.80	25.80	25.89	25.98	26.06	26.14	26.07	26.05	26.09	26.06	26.10
38 0	25.80	25.80	25.80	25.90	25.99	26.05	26.16	26.06	26.06	26.08	26.06	26.10
43 0	25.80	25.80	25.80	25.91	26.00	26.05	26.15	26.05	26.07	26.07	26.10	26.10
48 0	25.82	25.80	25.80	25.91	26.00	25.05	26.16	26.07	26.07	26.05	26.10	26.10
53 0	25.82	25.85	25.80	25.93	26.00	26.05	26.16	26.06	26.07	26.06	26.10	26.10
58 0	25.84	25.85	25.80	25.95	26.00	26.05	26.17	26.08	26.06	26.06	26.10	26.06
Therm.	84°0	84°4	84°1	84°0	84°0	83°8	83°6	83°4	83°1	83°1	83°0	83°0

TERM-DAY OBSERVATIONS, ON THE 27TH OF AUGUST 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'836	19'836	20'385	20'453	20'659	22'022	21'895	21'208	19'699	18'601	17'435	17'641
5 0	19.799	19.973	20.385	20.385	20.796	21.963	21.826	21.071	19.630	18.601	17.435	17.503
10 0	19.561	19.870	20.453	20.522	20.796	22.032	21.758	20.933	19.630	18.532	17.435	17.503
15 0	19.699	19.973	20.385	20.385	21.002	22.101	21.758	20.865	19.424	18.327	17.435	17.503
20 0	19.630	19.973	20.522	20.316	21.071	22.101	21.688	20.796	19.218	18.189	17.435	17.503
25 0	19.424	19.904	20.522	20.179	21.345	22.032	21.688	20.796	19.150	18.052	17.435	17.572
30 0	19.424	19.973	20.659	20.247	21.758	21.895	21.688	20.659	19.150	18.052	17.503	17.572
35 0	19.458	20.042	20.796	20.316	21.826	21.895	21.688	20.522	19.081	17.915	17.435	17.778
40 0	19.458	19.973	20.728	20.247	21.826	21.826	21.551	20.453	19.081	17.846	17.435	17.778
45 0	19.561	20.042	20.659	20.453	21.758	21.895	21.619	20.179	18.944	17.778	17.435	17.846
50 0	19.767	20.042	20.385	20.522	21.688	21.826	21.482	20.042	18.807	17.641	17.503	17.915
55 0	19.836	20.179	20.316	20.520	21.688	21.963	21.482	19.973	18.670	17.503	17.435	17.984

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.41	18.37	18.24	18.20	18.46	18.58	18.51	18.43	18.60	18.72	18.65	18.54
7 0	18.47	18.40	18.25	18.25	18.45	18.60	18.58	18.44	18.61	18.68	18.64	18.60
12 0	18.54	18.40	18.24	18.29	18.47	18.61	18.60	18.53	18.58	18.64	18.65	18.59
17 0	18.59	18.41	18.25	18.27	18.40	18.63	18.67	18.64	18.66	18.59	18.62	18.55
22 0	18.61	18.41	18.25	18.35	18.40	18.62	18.65	18.60	18.70	18.60	18.64	18.46
27 0	18.62	18.39	18.27	18.34	18.43	18.56	18.71	18.60	18.65	18.61	18.61	18.42
32 0	18.64	18.30	18.30	18.42	18.41	18.55	18.70	18.58	18.64	18.64	18.61	18.44
37 0	18.58	18.30	18.24	18.49	18.45	18.55	18.70	18.45	18.60	18.65	18.60	18.37
42 0	18.47	18.27	18.24	18.46	18.54	18.51	18.65	18.46	18.57	18.65	18.61	18.36
47 0	18.45	18.24	18.23	18.47	18.54	18.50	18.57	18.44	18.59	18.64	18.58	18.36
52 0	18.42	18.21	18.22	18.48	18.55	18.48	18.47	18.50	18.63	18.67	18.58	18.37
57 0	18.38	18.21	18.18	18.49	18.56	18.51	18.50	18.55	18.68	18.66	18.54	18.33
Therm.	81°6	81°5	81°3	81°2	81°2	81°6	82°0	83°0	83°8	84°5	85°2	85°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	26.40	26.52	26.56	26.88	26.92	26.90	26.80	26.56	26.30	26.10	26.00	26.05
8 0	26.48	26.52	26.80	26.88	26.94	26.88	26.80	26.55	26.29	26.10	26.02	26.06
13 0	26.50	26.52	26.80	26.88	26.94	26.88	26.78	26.52	26.28	26.09	26.02	26.06
18 0	26.50	26.52	26.80	26.88	26.96	26.88	26.76	26.48	26.25	26.08	26.02	26.08
23 0	26.50	26.52	26.80	26.88	26.96	26.86	26.76	26.45	26.24	26.08	26.00	26.09
28 0	26.50	26.52	26.82	26.90	26.98	26.86	26.72	26.45	26.22	26.06	26.00	26.10
33 0	26.50	26.53	26.82	26.90	26.98	26.86	26.70	26.42	26.22	26.05	26.00	26.12
38 0	26.50	26.54	26.78	26.90	26.98	26.86	26.62	26.42	26.24	26.04	26.00	26.15
43 0	26.50	26.54	26.84	26.92	26.96	26.84	26.60	26.42	26.22	26.04	26.00	26.16
48 0	26.52	26.54	26.86	26.92	26.96	26.82	26.60	26.41	26.20	26.04	26.00	26.16
53 0	26.52	26.53	26.86	26.92	26.94	26.82	26.58	26.40	26.19	26.02	26.00	26.16
58 0	26.52	25.56	26.88	26.94	26.92	26.82	26.56	26.34	26.14	26.00	26.03	26.18
Therm.	82°0	82°0	82°0	81°9	81°8	81°8	82°0	82°6	83°4	83°9	84°7	85°2

TERM-DAY OBSERVATIONS, ON THE 27TH OF AUGUST 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	18·052	19·081	19·904	20·110	19·699	19·767	19·356	19·218	19·287	19·218	19·630	19·699
5 0	18.052	19.081	19.904	20.110	19·699	19·699	19·356	19·287	19 287	19·218	19·836	19·699
10 0	17.984	19·218	20.042	20.042	19·699	19·699	19·287	19·218	19·287	19·287	19·836	19·699
15 0	18.052	19.356	20.110	19·973	19·699	19·630	19·356	19·150	19.287	19·356	19 699	19·836
20 0	18.258	19.493	20·110	20.042	19.699	19·630	19·356	19·150	19·287	19·356	19·699	19·904
25 0	18.464	19.561	20.110	20.110	19·699	19·561	19·356	19.013	19·287	19·424	19·767	19·904
30 0	18.532	19.561	20.042	20.110	19.699	19·561	19·287	19.013	19·287	19.424	19·836	19·973
35 0	18.738	19.630	20.110	20.110	19.561	19·493	19.287	19.013	19·287	19.424	19·836	20·042
40 0	18.807	19·699	20·110	19·836	19.561	19·493	19·287	19·150	19·218	19·424	19·836	20·110
45 0	18.807	19.699	20.179	19·699	19.561	19·493	19.287	19·218	19·218	19·493	19.836	20·110
50 0	18.875	19.767	20.110	19·699	19.630	19.424	19.287	19·287	19.218	19·493	19·836	20.110
55 0	19.013	19.836	20.042	19·699	19.767	19.356	19·218	19.287	19·150	19·561	19·767	20·110

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.34	18·06	17·92	17·86	17.76	17.54	17.56	17.75	17.83	17.90	18.08	18.01
7 0	18·35	18·06	17.90	17·83	17·73	17.56	17·60	17.77	17.82	17.89	18.05	18.01
12 0	18.31	18·05	17.88	17·83	17.70	17.59	17.60	17.80	17.85	17.95	18.06	18.01
17 0	18·29	18·04	17·88	17.87	17·66	17·58	17·60	17.78	17.83	17.91	18.03	18.02
22 0	18·25	18·04	17.86	17.85	17.64	17·60	17·58	17.78	17.82	17.98	18.13	18.02
27 0	18·24	18·03	17·86	17.83	17.64	17·62	17·64	17.82	17.81	17.97	18.03	18.01
32 0	18·23	18·03	17·87	17·82	17·59	17.62	17.66	17.82	17.83	17.98	18.03	18.01
37 0	18·17	17·99	17·89	17·82	17.54	17·64	17·67	17.81	17.85	17.94	18.03	18.00
42 0	18·16	17·96	17·85	17.83	17.51	17·62	17·67	17.80	17.84	17.94	18.01	17.99
47 0	18·13	17·95	17·86	17.83	17.49	17.61	17.67	17.80	17.84	18.06	18.01	18.04
52 0	18·11	17·95	17.84	17.81	17.50	17.56	17.67	17.80	17.86	17.98	18.01	18.06
57 0	18·11	17·95	17·83	17.80	17.54	17.57	17.70	17.80	17.90	18.06	18.03	18.02
Therm.	85°6	85°6	85°4	85°0	84°2	83°8	83°5	83°0	82°8	82°5	83°3	82°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*)

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	26.18	26.27	26.37	26.36	26.38	26.42	26.52	26.52	26.54	26.57	26.64	26.67
8 0	26.15	26.27	26.36	26.36	26.38	16.44	26.50	26.52	26.54	26.58	26.64	26.68
13 0	26.15	26.30	26.35	26.35	26.38	26.46	26.51	26.52	26.54	26.60	26.65	26.69
18 0	26.16	26.31	26.35	26.35	26.38	26.48	26.51	26.50	26.55	26.60	26.65	26.68
23 0	26.18	26.32	26.35	26.36	26.38	26.46	26.50	26.50	26.55	26.61	26.65	26.67
28 0	26.20	26.32	26.35	26.38	26.36	26.48	26.50	26.50	26.56	26.61	26.65	26.67
33 0	26.20	26.32	26.35	26.38	26.40	26.48	26.50	26.50	26.56	26.62	26.65	26.67
38 0	26.22	26.34	26.35	26.38	26.40	26.48	26.50	26 50	26.56	26.63	26.65	26.66
43 0	26.22	26.35	26.38	26.36	26.40	26.49	26.50	26.52	26.56	26.63	26.65	26.66
48 0	26.24	26.35	26.38	26.36	26.40	26.50	26.50	26.53	26.56	26.63	26.65	26.66
53 0	26.24	26.35	26.38	26.34	26.42	26.50	26.50	26·53	26.57	26.64	26.65	26.66
58 0	26.25	26.37	26.36	26.32	26.40	26.52	26.50	26.54	26.57	26.64	26.65	26.67
Therm.	85°4	85°6	85°6	85°2	84°8	84°2	84°0	85°9	83°6	83°3	83°0	82°9

TERM-DAY OBSERVATIONS, ON THE 22ND OF SEPTEMBER 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	19'630	20'247	21'071	20'830	21'792	22'718	22'993	21'482	20'590	18'327	15'994	16'474
5 0	19.356	20.385	21.071	20.899	21.963	22.718	22.888	21.345	20.316	18.121	15.926	16.543
10 0	19.287	20.659	21.071	20.933	22.032	22.787	22.787	21.276	20.110	17.984	15.926	16.602
15 0	19.218	21.071	21.071	20.865	22.101	22.854	22.649	21.139	20.042	17.641	15.926	16.612
20 0	19.218	21.139	21.208	20.899	22.101	22.923	22.512	21.071	19.904	17.435	15.926	16.685
25 0	19.218	21.071	21.139	21.071	22.101	22.923	22.374	21.002	19.836	17.229	15.926	16.817
30 0	19.150	21.071	21.701	21.208	22.168	22.957	22.101	20.933	19.699	16.955	16.063	16.955
35 0	19.150	21.071	21.002	21.208	22.202	23.060	22.032	20.865	19.493	16.680	16.131	17.023
40 0	19.356	21.071	21.071	21.415	22.374	23.060	21.895	20.728	19.287	16.543	16.269	17.092
45 0	19.630	21.071	21.071	21.482	22.444	22.957	21.758	20.728	19.081	16.337	16.269	17.435
50 0	19.904	21.071	21.002	21.482	22.444	22.991	21.551	20.728	18.738	16.200	16.406	17.572
55 0	20.110	21.139	20.933	21.551	22.718	22.923	21.482	20.728	18.601	16.131	16.406	17.709

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.14	18.01	17.68	17.85	17.69	17.55	17.70	18.02	18.27	18.33	18.31	18.24
7 0	18.25	17.95	17.68	17.84	17.66	17.60	17.69	18.08	18.30	18.33	18.30	18.23
12 0	18.32	17.90	17.69	17.83	17.67	17.64	17.70	18.10	18.28	18.33	18.30	18.23
17 0	18.35	17.86	17.69	17.83	17.61	17.70	17.71	18.10	18.29	18.32	18.30	18.23
22 0	18.40	17.84	17.75	17.82	17.57	17.72	17.75	18.10	18.29	18.28	18.29	18.21
27 0	18.44	17.84	17.78	17.81	17.56	17.75	17.80	18.12	18.24	18.28	18.29	18.21
32 0	18.46	17.80	17.80	17.80	17.55	17.80	17.80	18.11	18.22	18.29	18.29	18.20
37 0	18.46	17.78	17.87	17.80	17.57	17.80	17.87	18.12	18.22	18.31	18.29	18.20
42 0	18.34	17.73	17.89	17.80	17.56	17.81	17.89	18.11	18.23	18.32	18.27	18.20
47 0	18.30	17.69	17.90	17.80	17.52	17.80	17.90	18.14	18.25	18.32	18.26	18.20
52 0	18.30	17.70	17.90	17.79	17.52	17.77	17.96	18.15	18.26	18.31	18.24	18.19
57 0	18.28	17.70	17.90	17.73	17.52	17.70	17.94	18.20	18.29	18.31	18.24	18.14
Therm.	80°6	80°6	80°6	80°5	80°3	80°6	81°0	82°0	83°0	83°6	84°3	83°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	27.18	27.17	27.18	27.20	27.40	27.37	27.30	27.05	26.94	26.70	26.66	26.75
8 0	27.15	27.17	27.18	27.20	27.40	27.36	27.28	27.04	26.90	26.69	26.65	26.78
13 0	27.15	27.19	27.18	27.20	22.40	27.34	27.28	27.02	26.88	26.68	26.65	26.80
18 0	27.15	27.19	22.18	27.20	27.40	27.34	27.25	27.02	26.88	26.65	26 65	26.80
23 0	27.15	27.19	27.18	27.20	27.40	27.33	27.22	27.02	26.85	26.65	26.65	26.80
28 0	27.15	27.19	27.18	27.20	27.40	27.32	27.20	27.01	26.81	26.62	26.66	26.82
33 0	27.15	27.19	27.18	27.20	27.38	27.32	27.15	27.00	26.79	26.63	26.67	26.85
38 0	27.15	27.19	27.18	27.20	27.38	27.30	27.10	26.99	26.80	26.64	26.68	26.86
43 0	27.15	27.18	27.18	27.20	27.38	27.30	27.08	26.98	26.77	26.65	26.70	26.87
48 0	27.15	27.18	27.18	27.20	27.38	27.30	27.08	26.98	26.75	26.65	26.70	26.88
53 0	27.15	27.18	27.18	27.20	27.38	27.30	27.06	26.98	26.72	26.64	26.72	26.90
58 0	27.17	27.18	27.18	27.30	27.37	27.30	27.06	26.96	26.72	26.66	26.73	26.90
Therm.	81°3	81°2	81°2	81°0	80°8	80°7	81°0	81°3	82°1	82°6	83°0	82°7

TERM-DAY OBSERVATIONS, ON THE 22ND OF SEPTEMBER, 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	17'846	19'699	20'453	20'247	19'184	19'218	19'287	19'493	19'630	19'767	19'836	19'836
5 0	18.052	19.836	20.453	20.179	19.150	19.287	19.218	19.493	19.561	19.836	19.767	19.836
10 0	18.258	19.904	20.453	20.042	19.150	19.356	19.493	19.287	19.630	19.767	19.767	19.767
15 0	18.464	20.042	20.453	19.836	19.081	19.356	19.356	19.561	19.630	19.699	19.836	19.767
20 0	18.601	20.110	20.522	19.767	19.150	19.424	19.424	19.630	19.630	19.699	19.767	19.699
25 0	18.807	20.177	20.522	19.699	19.081	19.493	19.356	19.699	19.699	19.699	19.767	19.699
30 0	18.944	20.316	20.522	19.630	19.081	19.493	19.493	19.561	19.561	19.767	19.836	19.699
35 0	19.013	20.385	20.522	19.493	19.081	19.493	19.424	19.699	19.630	19.767	19.767	19.699
40 0	19.150	20.453	20.453	19.356	19.150	19.287	19.424	19.699	19.630	19.836	19.767	19.630
45 0	19.218	20.522	20.487	19.287	19.150	19.287	19.424	19.630	19.630	19.836	19.767	19.630
50 0	19.356	20.522	20.453	19.218	19.218	19.356	19.356	19.561	19.699	19.836	19.836	19.630
55 0	19.561	20.522	20.316	19.184	19.218	19.150	19.493	19.630	19.699	19.836	19.836	19.630

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	18.10	17.83	17.79	17.82	17.86	17.85	17.87	17.90	17.98	18.01	18.00	18.06
7 0	18.10	17.80	17.80	17.83	17.85	17.85	17.85	17.96	17.98	18.00	18.02	18.06
12 0	18.10	17.80	17.80	17.85	17.85	17.85	17.91	17.91	18.01	17.99	18.02	18.06
17 0	18.05	17.80	17.80	17.87	17.88	17.82	17.90	17.94	18.02	17.99	18.01	18.06
22 0	18.01	17.80	17.80	17.89	17.86	17.81	17.90	17.96	18.00	18.00	18.02	18.07
27 0	18.01	17.79	17.80	17.89	17.83	17.85	17.89	17.96	18.01	18.00	18.03	18.07
32 0	18.00	17.78	17.80	17.89	17.88	17.88	17.89	17.97	18.00	18.00	18.03	18.09
37 0	17.98	17.79	17.80	17.88	17.88	17.85	17.92	17.96	18.00	18.00	18.03	18.10
42 0	17.95	17.78	17.80	17.89	17.89	17.85	17.91	17.99	18.01	17.99	18.04	18.10
47 0	17.90	17.76	17.80	17.90	17.85	17.86	17.87	17.99	17.99	18.00	18.04	18.10
52 0	17.90	17.76	17.80	17.90	17.85	17.85	17.92	17.99	17.99	18.00	18.05	18.10
57 0	17.88	17.78	17.82	17.87	17.85	17.85	17.97	17.98	18.01	18.00	18.05	18.12
Therm.	83°4	83°6	83°3	82°8	82°2	81°7	81°0	80°3	80°7	80°8	80°8	80°9

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	26.92	26.93	26.92	26.82	26.80	26.82	26.88	26.87	26.86	26.87	26.88	26.85
8 0	26.92	26.92	26.92	26.82	26.80	26.82	26.88	26.87	26.86	26.87	26.90	26.85
13 0	26.93	26.92	26.90	26.82	26.82	26.82	26.88	26.87	26.87	26.87	26.90	26.85
18 0	26.95	26.92	26.90	26.82	26.82	26.82	26.88	26.87	26.87	26.87	26.90	26.85
23 0	26.96	26.92	26.88	26.80	26.84	26.82	26.88	26.87	26.87	26.88	26.88	26.86
28 0	26.96	26.92	26.88	26.80	26.84	26.82	26.88	26.87	26.87	26.88	26.88	26.86
33 0	26.96	26.92	26.88	26.80	26.84	26.82	26.88	26.88	26.87	26.90	26.88	26.85
38 0	26.95	26.92	26.88	26.82	26.84	26.85	26.85	26.88	26.87	26.90	26.88	26.85
43 0	26.95	26.92	26.88	26.82	26.82	26.84	26.86	26.88	26.87	26.89	26.88	26.85
48 0	26.95	26.92	26.86	26.82	26.82	26.84	26.86	26.88	26.87	26.89	26.86	26.85
53 0	26.95	26.92	26.86	26.82	26.82	26.86	26.86	26.88	26.87	26.88	26.88	26.85
58 0	26.93	26.92	26.84	26.80	26.82	26.88	26.87	26.86	26.87	26.88	26.85	26.85
Therm.	82°6	83°0	83°0	83°0	82°6	82°1	81°8	81°4	81°4	81°2	81°2	81°4

TERM-DAY OBSERVATIONS, ON THE 20TH OF OCTOBER 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	20'728	20'453	20'110	19'424	19'836	20'522	21'415	21'482	21'415	20'385	19'699	19'836
5 0	20.590	20.590	19.904	19.493	19.904	20.042	21.345	21.415	21.345	20.316	19.767	19.836
10 0	20.590	20.522	19.630	19.356	19.973	20.316	21.345	21.619	21.276	20.247	19.836	19.904
15 0	20.590	20.796	19.767	19.218	19.836	20.865	21.345	21.619	21.071	20.110	19.767	19.904
20 0	20.522	20.590	19.767	19.287	19.767	20.385	21.276	21.619	21.071	19.973	19.630	19.973
25 0	20.453	20.385	19.767	19.424	19.904	21.071	21.208	21.551	21.002	19.836	19.561	20.110
30 0	20.385	20.728	19.630	19.836	20.110	21.208	21.276	21.619	20.865	19.767	19.561	20.042
35 0	20.385	20.590	19.493	19.767	19.973	21.208	21.345	21.551	20.796	19.767	19.561	20.110
40 0	20.522	20.590	19.493	19.699	20.179	21.208	21.415	21.482	20.728	19.767	19.561	20.110
45 0	20.728	20.385	19.699	19.630	19.973	21.276	21.415	21.482	20.590	19.767	19.561	19.904
50 0	20.796	20.590	19.287	19.561	20.042	21.415	21.415	11.415	20.522	19.767	19.699	20.042
55 0	20.796	20.316	19.356	19.424	20.110	21.208	21.415	21.415	20.453	19.699	19.699	20.042

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.04	18.15	18.25	18.48	18.30	18.30	18.50	18.71	18.74	18.80	18.80	18.37
7 0	18.08	18.10	18.30	18.56	18.24	18.33	18.51	18.70	18.74	18.83	18.75	18.35
12 0	18.00	18.13	18.37	18.48	18.26	18.44	18.51	18.73	18.72	18.84	18.71	18.31
17 0	18.08	18.10	18.40	18.50	18.20	18.44	18.58	18.74	18.70	18.86	18.69	18.25
22 0	18.10	18.15	18.47	18.42	18.23	18.45	18.60	18.72	18.70	18.88	18.67	18.20
27 0	18.15	18.19	18.44	18.31	18.25	18.56	18.62	18.70	18.71	18.89	18.64	18.14
32 0	18.20	18.25	18.40	18.30	18.24	18.56	18.64	18.69	18.72	18.89	18.59	18.10
37 0	18.24	18.23	18.46	18.32	18.18	18.58	18.66	18.70	18.73	18.89	18.51	18.06
42 0	18.22	18.21	18.47	18.33	18.23	18.54	18.67	18.74	18.74	18.89	18.47	18.01
47 0	18.17	18.25	18.50	18.31	18.18	18.49	18.65	18.76	18.77	18.86	18.44	17.97
52 0	18.13	18.30	18.50	18.28	18.21	18.53	18.67	18.76	18.79	18.84	18.41	17.94
57 0	18.12	18.30	18.52	18.28	18.31	18.52	18.71	18.75	18.78	18.80	18.40	17.93
Therm.	82°0	81°3	81°0	80°7	80°6	80°5	81°0	81°9	83°0	84°0	85°0	86°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	47.20	47.25	47.17	47.30	47.46	47.52	47.48	47.13	46.83	46.57	46.50	46.60
8 0	47.17	47.20	47.12	47.25	47.48	47.54	47.46	47.10	46.81	46.55	46.52	46.62
13 0	47.20	47.17	47.10	47.27	47.50	47.55	47.45	47.08	46.79	46.53	46.52	46.60
18 0	47.20	47.18	47.15	47.32	47.50	47.55	47.40	47.07	46.75	46.55	46.51	46.58
23 0	47.20	47.19	47.18	47.36	47.55	47.55	47.38	47.04	46.73	46.52	46.49	46.58
28 0	47.20	47.20	47.15	47.42	47.56	47.56	47.35	47.03	46.70	46.50	46.48	46.57
33 0	47.20	47.23	47.20	47.46	47.54	47.56	47.35	47.00	46.68	46.50	46.49	46.57
38 0	47.20	47.23	47.20	47.43	47.56	47.56	47.28	47.00	46.66	46.51	46.52	46.57
43 0	47.23	47.20	47.24	47.43	47.55	47.55	47.25	46.94	46.63	46.52	46.57	46.57
48 0	47.25	47.20	47.25	47.44	47.55	47.55	47.23	46.90	46.60	46.54	46.59	46.57
53 0	47.25	47.20	47.28	47.46	47.53	47.54	47.19	46.87	46.60	46.54	46.59	46.55
58 0	47.25	47.22	47.28	47.52	47.52	57.50	47.15	46.84	46.58	46.50	46.60	46.52
Therm.	83°3	82°9	82°5	82°4	82°0	81°7	81°8	82°0	83°0	84°0	84°8	85°5

TERM-DAY OBSERVATIONS, ON THE 20TH OF OCTOBER 1858.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	20'110	20'590	20'493	19'836	19'836	20'179	20'042	19'904	20'316	20'453	20'590	20'316
5 0	20.179	20.590	20.493	19.836	19.767	20.247	20.042	19.836	20.385	20.453	20.590	20.316
10 0	20.179	20.659	20.385	19.836	19.767	20.247	20.110	19.836	20.385	20.453	20.659	20.316
15 0	20.316	20.659	20.110	19.767	19.904	20.247	20.042	19.904	20.316	20.453	20.659	20.522
20 0	20.316	20.659	20.110	19.630	19.904	20.179	19.904	19.904	20.247	20.522	20.453	20.590
25 0	20.493	20.590	20.179	19.630	19.973	20.179	19.836	19.836	20.316	20.590	20.179	20.316
30 0	20.493	20.659	20.110	19.699	19.973	20.179	19.767	19.836	20.453	20.590	20.316	20.179
35 0	20.493	20.522	20.110	19.699	19.973	20.247	19.699	19.836	20.590	20.453	20.179	20.316
40 0	20.659	20.522	20.042	19.699	19.973	20.316	19.699	19.904	20.590	20.590	20.522	20.385
45 0	20.659	20.522	19.973	19.767	19.904	20.110	19.699	19.973	20.522	20.590	20.522	20.385
50 0	20.659	20.522	19.904	19.836	20.042	20.110	19.767	19.973	20.453	20.522	20.179	20.385
55 0	20.659	20.522	19.836	19.836	20.042	20.042	19.836	20.042	20.453	20.798	20.110	20.316

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	17.95	17.83	17.70	17.41	17.44	17.40	17.23	17.28	17.51	17.70	17.99	18.12
7 0	17.94	17.80	17.68	17.40	17.44	17.37	17.25	17.27	17.52	17.74	18.07	18.12
12 0	17.93	17.78	17.66	17.38	17.43	17.33	17.24	17.30	17.53	17.77	18.04	18.12
17 0	17.95	17.77	17.66	17.39	17.42	17.31	17.25	17.33	17.55	17.81	18.05	18.10
22 0	17.95	17.79	17.66	17.40	17.42	17.30	17.25	17.34	17.59	17.85	18.10	18.10
27 0	17.94	17.79	17.63	17.40	17.47	17.30	17.25	17.36	17.59	17.89	18.08	18.08
32 0	17.92	17.73	17.65	17.42	17.50	17.29	17.27	17.34	17.58	17.91	18.11	18.15
37 0	17.91	17.71	17.64	17.42	17.50	17.31	17.29	17.36	17.57	17.93	18.06	18.28
42 0	17.89	17.70	17.63	17.43	17.50	17.29	17.28	17.41	17.62	17.99	18.00	18.30
47 0	17.86	17.69	17.60	17.44	17.50	17.29	17.29	17.45	17.66	18.01	18.05	18.35
52 0	17.86	17.73	17.55	17.44	17.47	17.27	17.27	17.53	17.67	17.99	18.07	18.42
57 0	17.83	17.71	17.45	17.43	17.41	17.28	17.32	17.50	17.68	17.98	18.12	18.45
Therm.	86°7	86°7	86°2	85°7	85°0	84°4	84°0	84°5	82°4	82°0	81°2	80°7

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	46.60	46.60	46.50	46.49	46.84	46.98	46.85	46.97	47.20	47.23	47.37	87.51
8 0	46.66	46.58	46.49	46.50	46.85	46.90	46.78	46.97	47.22	47.20	47.40	87.56
13 0	46.66	46.58	46.44	46.54	46.90	46.85	46.80	46.98	47.24	47.18	47.36	87.60
18 0	46.65	46.56	46.46	46.55	46.90	46.84	46.80	46.99	47.20	47.29	47.34	87.60
23 0	46.64	46.51	46.48	46.58	46.92	46.86	46.81	46.98	47.16	47.27	47.41	87.55
28 0	46.65	46.51	46.48	46.58	46.90	46.83	46.80	46.97	47.18	47.28	47.37	87.53
33 0	46.65	46.50	46.48	46.62	46.95	46.84	46.82	46.96	47.19	47.31	47.40	87.50
38 0	46.66	46.50	46.50	46.65	46.87	46.85	46.83	46.94	47.17	47.35	47.50	87.52
43 0	46.65	46.50	46.50	46.71	46.93	46.86	46.82	46.99	47.21	47.32	47.55	87.55
48 0	46.66	46.50	46.44	46.76	46.94	46.83	46.84	47.03	47.22	47.28	47.55	87.57
53 0	46.66	46.48	46.40	46.78	46.96	46.84	46.88	47.09	47.21	47.28	47.50	87.59
58 0	46.61	46.50	46.43	46.82	46.98	46.85	46.97	47.16	47.23	47.31	47.51	87.63
Therm.	86°4	87°0	87°0	86°1	85°6	85°2	84°6	84°2	83°5	83°2	82°7	82°2

TERM-DAY OBSERVATIONS, ON THE 26TH OF NOVEMBER 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	20'728	20'385	19'904	19'836	20'042	19'699	20'590	20'590	20'728	20'522	20'179	20'865
5 0	20.590	20.110	19.767	20.042	19.767	19.836	20.522	20.522	20.865	20.522	20.110	20.796
10 0	20.522	20.179	19.699	20.316	19.904	19.699	20.728	20.453	20.933	20.522	20.179	20.865
15 0	20.590	20.247	19.699	20.179	19.561	19.904	20.728	20.522	20.865	20.522	20.247	20.659
20 0	20.522	20.110	19.561	19.767	19.561	20.316	20.522	20.453	20.865	20.453	20.385	20.728
25 0	20.453	20.042	19.630	19.699	19.699	20.042	20.590	20.590	20.796	20.385	20.385	20.728
30 0	20.453	20.110	19.561	19.561	19.561	19.561	20.933	20.590	20.590	20.316	20.522	20.728
35 0	20.522	20.316	19.836	19.630	19.767	20.316	20.590	20.659	20.453	20.247	20.590	20.796
40 0	20.590	20.316	19.836	19.561	19.561	20.179	20.728	20.728	20.522	20.110	20.659	20.796
45 0	20.590	20.385	19.767	20.247	19.356	20.590	20.590	20.728	20.590	20.110	20.659	20.796
50 0	20.522	20.316	20.747	19.973	19.699	20.042	20.659	20.728	20.522	20.110	20.659	20.796
55 0	20.179	20.179	20.042	20.179	19.356	20.453	20.590	20.728	20.453	20.110	20.659	20.728

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	18.55	18.54	18.59	18.73	18.65	18.73	18.94	19.18	19.10	18.78	18.67	18.27
7 0	18.54	18.53	18.61	18.72	18.75	18.85	18.95	19.23	19.00	18.74	18.61	18.23
12 0	18.51	18.55	18.64	18.68	18.60	18.91	18.94	19.25	18.91	18.71	18.60	18.19
17 0	18.48	18.56	18.68	18.67	18.68	18.94	18.94	19.26	18.90	18.71	18.55	18.15
22 0	18.47	18.55	18.71	18.62	18.70	18.89	18.96	19.25	18.90	18.70	18.50	18.08
27 0	18.51	18.54	18.72	18.73	18.64	18.89	18.95	19.22	18.97	18.71	18.47	18.03
32 0	18.51	18.52	18.71	18.75	18.68	18.91	19.00	19.20	19.00	18.74	18.41	17.99
37 0	18.50	18.51	18.73	18.69	18.69	18.93	19.00	19.18	18.99	18.74	18.39	17.93
42 0	18.49	18.52	18.74	18.70	18.69	18.95	19.07	19.15	18.96	18.74	18.38	17.87
47 0	18.48	18.55	18.71	18.71	18.65	18.93	19.11	19.13	18.95	18.75	18.32	17.83
52 0	18.49	18.53	18.68	18.65	18.75	18.93	19.14	19.13	18.92	18.72	18.30	17.82
57 0	18.54	18.57	18.72	18.67	18.80	18.95	19.11	19.13	18.83	18.71	18.28	17.84
Therm.	82°6	82°4	81°9	81°5	81°0	81°0	81°6	82°6	84°2	85°6	86°8	87°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	47.00	46.99	47.09	47.23	47.25	47.40	47.45	47.22	47.05	46.72	46.38	46.35
8 0	47.00	47.00	47.07	47.24	47.24	47.40	47.47	47.20	47.05	46.73	46.38	46.31
13 0	47.02	47.00	47.07	47.25	47.24	47.35	47.47	47.16	47.06	46.70	46.36	46.29
18 0	47.01	47.01	47.09	47.25	47.25	47.45	47.42	47.15	47.03	46.66	46.38	46.26
23 0	47.05	47.05	47.10	47.26	47.26	47.50	47.45	47.15	46.98	46.60	46.40	46.25
28 0	47.02	47.08	47.13	47.26	47.26	47.52	47.40	47.15	46.90	46.55	46.42	46.25
33 0	47.03	47.08	47.18	47.23	47.30	47.52	47.35	47.15	46.81	46.50	46.44	46.24
38 0	47.03	47.10	47.20	47.22	47.28	47.54	47.32	47.14	46.75	46.48	46.42	46.23
43 0	47.02	47.10	47.21	47.22	47.30	47.54	47.30	47.14	46.75	46.45	46.40	46.24
48 0	47.00	47.10	47.24	47.20	47.34	47.50	47.26	47.13	46.74	46.42	46.40	46.21
53 0	46.98	47.11	47.25	47.24	47.30	47.50	47.24	47.10	46.70	46.42	46.38	46.22
58 0	46.98	47.08	47.25	47.25	47.35	47.45	47.22	47.05	46.72	46.38	46.37	46.18
Therm.	83°0	82°8	82°2	82°0	81°5	81°2	81°2	81°8	82°8	84°0	85°1	86°3

TERM-DAY OBSERVATIONS, ON THE 26TH OF NOVEMBER 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	20'728	21'208	20'590	20'042	20'316	20'659	20'796	21'345	21'139	20'993	20'865	20'728
5 0	20.728	21.276	20.590	20.042	20.385	20.776	21.002	21.345	21.071	21.071	20.865	20.728
10 0	20.728	21.276	20.522	20.110	20.385	20.865	21.071	21.551	21.071	21.071	20.796	20.796
15 0	20.728	21.208	20.522	20.179	20.522	20.933	21.002	21.415	21.071	20.993	20.865	20.796
20 0	20.728	21.415	20.453	20.110	20.522	20.933	20.865	21.688	21.071	21.345	20.865	20.728
25 0	20.728	21.276	20.453	20.247	20.590	20.865	20.933	21.345	21.139	21.071	21.139	20.796
30 0	20.796	21.345	20.316	20.316	20.659	20.933	21.002	21.482	21.345	21.276	20.865	20.659
35 0	20.933	21.002	20.316	20.247	20.590	21.002	21.002	21.208	21.071	21.071	20.865	20.728
40 0	21.002	20.865	20.247	20.316	20.659	21.071	21.002	21.276	20.933	21.345	20.865	20.659
45 0	21.002	20.796	20.179	20.316	20.659	20.933	21.139	21.415	21.071	21.002	20.796	20.522
50 0	21.071	20.728	20.110	20.247	20.728	20.933	21.208	21.345	20.865	21.071	20.728	20.416
55 0	21.071	20.659	20.110	20.247	20.659	21.002	21.208	21.139	21.071	21.071	20.659	20.416

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	17.83	17.52	17.73	17.80	17.77	17.90	17.83	17.95	17.82	17.91	18.19	18.37
7 0	17.83	17.50	17.73	17.80	17.71	17.90	17.80	17.88	17.86	17.96	18.21	18.41
12 0	17.81	17.48	17.75	17.82	17.75	17.91	17.79	17.90	17.89	18.03	18.27	18.43
17 0	17.80	17.48	17.78	17.79	17.76	17.89	17.81	17.88	17.87	18.04	18.25	18.45
22 0	17.79	17.52	17.83	17.76	17.77	17.86	17.82	17.88	17.87	18.04	18.27	18.44
27 0	17.77	17.55	17.84	17.73	17.76	17.80	17.86	17.89	17.88	18.05	18.27	18.46
32 0	17.73	17.57	17.80	17.74	17.76	17.85	17.88	17.86	17.91	18.08	18.27	18.49
37 0	17.70	17.61	17.76	17.75	17.79	17.79	17.89	17.86	17.90	18.06	18.31	18.50
42 0	17.66	17.63	17.77	17.77	17.82	17.80	17.90	17.82	17.90	18.10	18.35	18.49
47 0	17.64	17.67	17.77	17.79	17.85	17.85	17.91	17.80	17.95	18.14	18.37	18.47
52 0	17.60	17.69	17.78	17.80	17.87	17.86	17.91	17.80	17.96	18.14	18.40	18.46
57 0	17.52	17.73	17.78	17.74	17.91	17.89	17.95	17.82	17.91	18.18	18.43	18.48
Therm.	88°0	88°0	87°6	86°0	85°2	84°2	83°8	83°2	82°8	82°2	81°8	81°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	46.19	46.21	46.18	46 45	46.56	46.66	46.70	46.77	46.75	46.90	47.10	47.12
8 0	46.18	46.21	46.20	46.44	46.53	46.70	46.65	46.76	46.77	46.96	47.08	47.11
13 0	46.16	46.20	46.22	46.46	46.55	46.72	46.68	46.74	46.77	47.04	47.07	47.11
18 0	46.15	46.19	46.25	46.47	46.57	46.68	46.67	46.70	46.76	47.03	47.09	47.10
23 0	46.15	46.21	46.28	46.50	46.60	46.73	46.65	46.70	46.79	47.03	47.10	47.08
28 0	46.15	46.18	46.34	46.50	46.62	46.75	46.65	46.68	46.82	47.03	47.10	47.08
33 0	46.15	46.16	46.38	46.47	46.65	46.74	46.68	46.67	46.78	47.05	47.12	47.10
38 0	46.14	46.15	46.40	46.52	46.68	46.76	46.70	46.66	46.78	47.06	47.06	47.12
43 0	46.13	46.15	46.40	46.55	46.70	46.80	46.73	46.70	46.83	47.10	47.10	47.10
48 0	46.16	46.16	46.38	46.50	46.67	46.82	46.71	46.74	46.83	47.04	47.13	47.09
53 0	46.18	46.16	46.37	46.48	46.68	46.79	46.72	46.74	46.84	47.00	47.09	47.11
58 0	46.20	46.17	46.40	46.52	46.70	46.75	46.74	46.73	46.84	47.02	47.10	47.13
Therm.	87°0	87°4	87°1	86°8	85°2	84°5	84°5	83°8	83°3	83°0	82°8	82°4

TERM-DAY OBSERVATIONS, ON THE 22ND OF DECEMBER 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	21'071	20'590	20'453	19'424	19'973	18'909	19'218	20'247	20'453	19'424	18'807	19'699
5 0	20.865	20.453	20.385	19.699	19.767	18.944	19.356	20.453	20.316	19.356	18.944	19.904
10 0	20.865	20.522	20.385	19.699	19.630	18.944	19.218	20.453	20.179	19.287	18.944	20.110
15 0	20.728	20.659	20.453	19.630	19.493	18.670	19.356	20.453	20.179	19.218	19.013	20.247
20 0	20.728	20.728	20.042	19.630	19.424	18.875	19.424	20.385	20.042	19.150	19.150	20.453
25 0	20.728	20.728	20.042	19.630	19.356	18.944	19.630	20.419	20.007	19.013	18.944	20.522
30 0	20.728	20.590	19.699	19.699	19.356	19.013	19.836	20.419	20.042	18.875	18.738	20.728
35 0	20.590	20.522	19.424	19.767	19.356	19.150	19.042	20.385	20.076	18.807	18.121	20.728
40 0	20.590	20.728	19.356	19.699	19.218	19.013	19.042	20.385	20.042	18.738	18.121	20.796
45 0	20.522	20.659	19.287	19.699	19.184	19.114	19.042	20.453	19.767	18.670	19.150	20.865
50 0	20.728	20.453	19.424	19.699	19.150	19.081	19.042	20.522	19.767	18.704	19.287	21.002
55 0	20.728	20.522	19.493	19.659	19.013	19.013	19.110	20.453	19.493	18.670	19.424	21.071

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
2 0	19.19	19.29	19.31	19.61	19.68	19.69	19.97	20.02	19.82	19.80	19.81	19.50
7 0	19.17	19.29	19.34	19.60	19.63	19.70	19.99	19.91	19.80	19.81	19.80	19'45
12 0	19.20	19.26	19.31	19.64	19.64	19.74	20.00	19.90	19.81	19.78	19.80	19.35
17 0	19.20	19.29	19.29	19.66	19.66	19.79	20.01	19.93	19.91	19.77	19.77	19.30
22 0	19.23	19.31	19.32	19.69	19.69	19.83	19.98	19.95	19.96	19.77	19.80	19.27
27 0	19.26	19.35	19.37	19.70	19.72	19.82	19.99	19.97	19.97	19.83	19.79	19.23
32 0	19.26	19.35	19.43	19.73	19.73	19.84	20.00	19.96	19.95	19.81	19.79	19.20
37 0	19.28	19.36	19.45	19.71	19.76	19.89	20.00	19.92	19.85	19.89	19.77	19.17
42 0	19.27	19.39	19.56	19.72	19.74	19.89	20.00	19.88	19.90	19.91	19.75	19.12
47 0	19.29	19.40	19.57	19.72	19.72	19.89	19.98	19.84	19.92	19.90	19.70	19.11
52 0	19.31	19.36	19.65	19.75	19.71	19.90	20.06	19.80	19.85	19.85	19.66	19.15
57 0	19.29	19.35	19.64	19.73	19.77	19.96	20.09	19.79	19.81	19.88	19.56	19.10
Therm.	76°9	76°3	76°3	76°1	75°6	75°9	76°7	77°8	79°1	80°8	81°3	82°1

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
3 0	50.12	50.23	50.32	50.40	50.40	50.45	50.58	50.54	50.12	49.75	49.70	49.63
8 0	50.15	50.23	50.32	50.35	50.42	50.48	50.59	50.58	50.10	49.75	49.70	49.62
13 0	50.15	50.25	50.31	50.37	50.41	50.49	50.60	50.58	50.08	49.75	49.70	49.68
18 0	50.15	50.25	50.30	50.35	50.38	50.48	50.61	50.55	50.00	49.73	49.73	49.70
23 0	50.15	50.25	50.28	50.39	50.37	50.50	50.62	50.52	49.92	49.73	49.73	49.70
28 0	50.15	50.27	50.27	50.45	50.35	50.50	50.62	50.46	49.92	49.70	49.67	49.73
33 0	50.17	50.29	50.25	50.40	50.35	50.51	50.61	50.40	49.93	49.70	49.63	49.73
38 0	50.20	50.31	50.25	50.36	50.45	50.56	50.60	50.36	49.92	49.68	49.58	49.72
43 0	50.20	50.34	50.27	50.33	50.42	50.56	50.60	50.33	49.86	49.62	49.60	49.72
48 0	50.20	50.32	50.32	50.30	50.50	50.57	50.58	50.30	49.80	49.62	49.62	49.72
53 0	50.21	50.30	50.32	50.36	50.46	50.57	50.56	50.30	49.80	49.67	49.62	49.78
58 0	50.20	50.28	50.40	50.40	50.44	50.58	50.56	50.22	49.78	49.67	49.63	49.80
Therm.	77°4	77°3	77°0	76°9	76°2	76°0	76°0	76°5	77°3	78°3	79°0	79°9

TERM-DAY OBSERVATIONS, ON THE 22ND OF DECEMBER 1858.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	21'071	20'796	21'963	21'619	20'865	21'208	21'415	21'482	21'482	21'619	21'963	21'139
5 0	21.071	21.002	22.032	21.482	20.728	21.276	21.688	21.345	21.415	21.551	21.551	20.933
10 0	21.071	21.071	22.101	21.208	20.728	21.345	21.895	21.415	21.208	21.482	21.276	21.276
15 0	21.071	21.139	21.963	21.071	20.796	21.415	22.101	21.276	21.415	21.482	21.345	21.071
20 0	21.002	21.415	21.895	20.933	20.933	21.345	22.305	21.276	21.276	21.551	21.139	20.933
25 0	21.002	21.619	21.688	20.865	20.933	21.208	22.444	21.276	21.482	21.482	21.208	20.933
30 0	21.002	21.758	21.482	20.796	20.933	20.933	22.512	21.345	21.551	21.758	21.415	21.276
35 0	20.933	21.758	21.482	20.796	20.933	20.865	22.444	21.415	21.619	21.963	21.619	21.002
40 0	20.728	21.758	21.482	20.933	21.002	20.796	22.374	21.345	21.415	22.032	21.208	20.865
45 0	20.522	21.895	21.345	20.865	21.071	20.728	22.032	21.071	21.551	22.168	21.139	21.002
50 0	20.590	21.895	21.415	20.726	21.208	20.796	21.826	21.345	21.415	22.032	21.139	21.002
55 0	20.728	22.032	21.551	20.865	21.208	21.002	21.826	21.415	21.619	21.758	21.208	20.865

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
2 0	19.14	18.85	18.20	18.69	18.51	18.61	18.26	18.44	18.59	18.98	18.83	19.05
7 0	19.15	18.85	18.20	18.69	18.44	18.66	18.19	18.50	18.62	19.00	18.84	19.05
12 0	19.15	18.80	18.21	18.68	18.40	18.70	18.15	18.53	18.65	19.00	18.94	19.00
17 0	19.15	18.75	18.20	18.65	18.41	18.75	19.12	18.59	18.65	18.95	18.96	19.07
22 0	19.13	18.70	18.20	18.68	18.42	18.68	18.07	18.56	18.55	18.95	18.92	19.06
27 0	19.13	18.67	18.27	18.67	18.45	18.60	18.00	18.50	18.54	18.86	18.94	19.09
32 0	19.10	18.62	18.30	18.66	18.46	18.54	18.00	18.49	18.51	18.85	18.90	19.11
37 0	19.12	18.56	18.36	18.66	18.51	18.47	18.03	18.44	18.55	18.82	18.94	19.11
42 0	19.08	18.44	18.42	18.68	18.55	18.43	18.13	18.42	18.54	18.75	18.90	19.07
47 0	19.04	18.34	18.50	18.63	18.55	18.40	18.18	18.44	18.55	18.80	19.02	19.07
52 0	19.00	18.24	18.57	18.60	18.56	18.31	18.25	18.46	18.57	18.82	19.05	19.08
57 0	18.94	18.20	18.65	18.53	18.61	18.27	18.32	18.54	18.80	18.82	19.06	19.10
Therm.	82°6	82°6	82°1	80°9	79°9	79°1	78°9	78°1	77°5	77°0	76°8	76°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*)

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
3 0	49.80	49.73	49.80	49.75	49.88	49.91	50.00	50.00	50.11	50.22	50.22	50.20
8 0	49.80	49.75	49.80	49.76	49.85	49.94	50.08	49.90	50.12	50.24	50.22	50.22
13 0	49.80	49.75	49.78	49.77	49.89	49.95	50.11	49.93	50.13	50.20	50.20	50.24
18 0	49.81	49.77	49.74	49.78	49.89	49.97	50.15	49.97	50.15	50.20	50.18	50.24
23 0	49.78	49.80	49.72	49.76	49.90	49.94	50.15	49.98	50.18	50.21	50.16	50.22
28 0	49.75	49.80	49.70	49.76	49.91	49.91	50.13	50.00	50.20	50.24	50.14	50.21
33 0	49.72	49.80	49.70	49.77	49.90	49.91	50.10	50.06	50.18	50.25	50.16	50.22
38 0	49.70	49.80	49.70	49.79	49.90	49.94	50.05	50.10	50.20	50.22	50.20	50.24
43 0	49.67	49.83	49.72	49.85	49.90	49.93	50.08	50.11	50.22	50.24	50.20	50.25
48 0	49.63	49.85	49.74	49.84	49.92	49.92	50.03	50.10	50.20	50.26	50.20	50.26
53 0	49.65	49.83	49.75	49.83	49.91	49.98	50.00	50.10	50.22	50.22	50.18	50.26
58 0	49.70	49.83	49.75	49.87	49.91	49.99	50.00	50.10	50.22	50.20	50.20	50.30
Therm.	80°8	81°1	81°0	80°1	79°9	79°4	79°0	78°7	78°3	78°0	77°5	77°0

BOMBAY MAGNETICAL OBSERVATIONS.

REGISTER OF DISTURBANCE OBSERVATIONS.

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
JAN. 8TH.	6.00	20·659	19·42	18.49	33.35	75·8	74·0	23.05	76·0
	6.15	20.728	19.57	18.27	33.18	75.8	74.0	23.14	76.0
	6.30	20.865	19.74	18.19	32.96	75.5	74.0	23.06	76.0
	6.45	21.345	20.00	18.18	33·02	75·4	73.9	23.05	75.9
	7.00	21.482	20.00	18.13	33.00	75.0	73.7	22.97	75.7
	7.15	21.071	19.84	18.29	33.15	74.8	73.5	22.95	75.5
	7.30	20.522	19.26	18.65	33.65	74·4	73.3	22.95	75.3
	7.45	20.522	19·21	18.84	33.75	74·1	73.1	22.96	75.1
	8.00	20.522	19.16	18.81	33.68	74.0	73.0	23.00	75.1
	8.15	20.385	19.16	18.91	33.81	74.0	72.8	23.06	75.0
	8.30	20.522	18.96	18.98	33.80	73.9	72.6	23.02	74.9
	8.45	19.767	18.64	18.92	33.80	73.7	72.5	23.00	74.9
	9.00	19.767	18.38	19.01	33.90	73.7	72.3	22.99	74.8
	9.15	19.424	18.32	18.94	33.97	73.6	72·0	22.99	74.6
	9.30	19.013	17.79	19.09	33.99	73.4	71.9	23.04	74.5
	9.45	18.807	17.59	19.20	34·15	73.4	71.9	23.06	74.4
	19.00	22 444	21.25	21.01	35.75	76.8	71.9	22.96	75.1
	19.15	21.963	21.35	19.35	34.99	77.0	72.0	23.02	75.3
	19.30	22.101	——	18.80	32.64	77.2	72.5	23.33	75.8
	19.40	22.237	20.99	16.11	30.55	77.5	72.9	23.85	75.9
	19.50	21.415	20.62	17.60	31·65	77.9	73.3	23.28	76.0
	20.00	22.854	21.78	17.57	31.70	78.0	73.7	23.13	76.1
	20.10	22.923	22.04	17.46	31.52	78.0	73.9	23.22	76.4
	20.20	23.677	22.45	17.40	31.51	78.3	74.2	23.28	76.6
	20.30	24.159	22.87	17.40	31.46	78·5	74.5	23.25	76.9
	20.40	24.590	23 35	17.53	31.95	78.7	74.7	23.25	77.0
	20.50	23.060	21.25	18.19	32.90	78.7	74.8	22.89	77.0
	21.00	22.718	21.51	18.47	32.70	78.7	74.8	22.82	77.1
	21.10	22·649	21.25	18.27	32.90	78.8	75.0	22.95	77.2
	21.20	22.718	21.25	17.74	31.25	78.8	75.2	22.85	77.4
	21.30	22.512	20.73	16.96	30.60	78.8	75.4	23.24	77.5
	21.40	22.512	20.83	16.19	30.14	78.9	75.5	23.04	77.6
	21.50	21.758	20.47	16.73	30.64	78.9	75.7	22.88	77.7
	22.00	21.688	20.00	17.01	31.00	78·9	76.0	22.73	77.9
	22.10	21.208	19.69	17·14	31.55	79.0	76.0	22.73	77.9
	22.20	20.796	19.16	17·59	31.71	79.0	76.2	22.56	78.0
	22.30	20·385	19.16	17.31	31.40	79.0	76.3	22.73	78.0
	22.40	21.139	19.89	17.00	31.05	79.0	76.5	22.78	78.2
	22.50	21.208	19·69	16.94	30.85	79.0	76.5	22.81	78.3
	23.00	20.728	19.69	16·81	30.52	79 0	76.7	22.73	78.4
	23.15	21.482	19.74	16.46	30.20	79.0	77.2	22.85	78.4
	23.30	22.032	20.47	16.41	30.15	78.9	78.2	22.95	78.4
	23.45	22.237	20·21	16.61	30·50	78.9	77.7	22.95	78.5
JAN. 9TH.	0.00	21.345	19.69	16.60	30.40	78.6	77.1	22.88	78.4

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
JAN. 9TH.	0.15	21·139	19·69	16.79	30.73	78°5	76°8	22.84	78°1
	0.30	21.139	19·69	17·06	31.15	78.2	76.7	22.80	78.0
	0.45	21.139	19·69	17.34	31·52	77.9	76.1	22.83	77.6
	1.00	21·139	19·69	17.43	31.58	77.6	76.0	22.95	77.4
	1.15	21·139	19·69	17·60	31·80	77.5	75.9	22.94	77.3
	1.30	21·208	19·79	17·69	31·85	77.1	75·7	23.01	77.1
	1·45	21·276	19·79	17·69	31·85	77.0	75.6	23.06	77.0
	2.00	21·345	19·79	17·64	31·85	76.9	75.4	23.09	77.0
	2.15	21·378	19·69	17·61	31.88	76.7	75.3	23.14	77.0
	2.30	21·415	19·74	17·62	31·88	76.5	75.2	23.16	76.9
	2.45	21·345	19·79	17·65	31.90	76.3	75.0	23·19	76.7
	3.00	21.276	19·79	17.65	31·92	76.3	75.0	23.16	76.6
	3·15	21.276	19·79	17·71	32·00	76.2	74.8	23.19	76.6
	3·30	21·139	19.69	17·71	31·95	76.1	74.7	23.18	76.5
	3.45	21·139	19·69	17.73	32·00	76.0	74.6	23.19	76.5
	4.00	21.139	19.69	17·78	32·02	76.0	74.5	23.20	76.4
	4.15	21·139	19·69	17·87	32 05	76.0	74.4	23.25	76.3
	4·30	21·139	19.69	17·86	32.08	76.0	74.4	23.22	76.3
	4.45	21·002	19·47	17·89	32.16	76.0	74.4	23.25	76.1
	5.00	20·933	19.42	17·95	32·25	76.0	74.3	23.31	76.0
	5·15	20·796	19·42	17·96	32·25	75.9	74.2	23.30	76.0
	5.30	20·865	19·57	17·99	32·25	75.7	74.2	23.29	76.0
	5.45	20·933	19·47	18.06	32·30	75.3	74.0	23.15	76.0
	6.00	21·208	19·26	18·04	32·40	75.0	73.9	23.05	75.9
	6.15	21·002	19·16	18·19	32.45	74.8	73.8	23.12	75.8
	6.30	20·796	19·16	18·23	32·50	74.6	73.5	23.08	75.5
	6.45	21·071	19.26	18.24	32·50	74.3	73.2	23.08	75.3
	7.00	20·762	19·16	18·27	32·50	74 2	73.0	23.05	75.1
	7.15	20·865	19.21	18·31	32·50	74.0	72.8	23.17	75.0
	7.30	20·933	19·31	18·37	32·51	73.9	72.4	23.25	75.0
	7.45	21·002	19·26	18·40	32·56	73.5	72.1	23.25	74.9
	8.00	20·865	19·26	18·43	32·60	73.3	72.0	23.26	74.8
	8.15	20·728	19·21	18·48	32·60	73.3	72.0	23.46	74.7
	8.30	20·728	19·21	18·44	32·60	73.3	71.8	23.50	74.4
	8·45	20·728	19·26	18·45	32·63	73.3	71·7	23.45	74.4
	9.00	20·728	19·16	18·48	32·70	73.3	71.6	23.45	74.4
	9.15	20·796	19·26	18·51	32·70	73.2	71.6	23.55	74.2
	9.30	20·796	19·26	18.51	32·70	73.0	71.4	23.59	74.0
	9.45	20·865	19·42	18·54	32·72	73.0	71.4	23.60	74.0
	10.00	20.865	19·42	18·56	32·75	72.9	71.3	23.60	73.9
	10.15	20·865	19·36	18·59	32·76	72.9	71.2	23.60	73.8
	10·30	20·728	19·31	18·55	32·76	72.8	71.1	23.61	73.7
	10.45	20.933	19·42	18·55	32.76	72.7	71.0	23.62	73.6
	11·00	20·933	19·42	18·60	32·78	72.7	71.0	23.57	73.6
	11.15	20·865	19·42	18.59	32·78	72.7	71.0	23.54	73.4
	11.30	20·453	19·36	18·60	32·78	72.9	71.0	23.60	73.4
	11.45	20·659	19·26	18.58	32·80	72.9	71.0	23.68	73.4
	12.00	20.865	19·26	18·62	32.84	72.9	71.0	23.69	73.4
	12.15	20·728	19·26	18·65	32.88	72.9	70.8	23.63	73.4
	12.30	20·796	19·36	18·64	32.90	72.5	70.5	23.64	73.4
	12.45	20·002	19·42	18·73	32.98	72.1	70.0	23.71	73.3
	13.00	20·796	19·36	18·81	33.00	71.8	70.0	23.65	73.1
	13.15	20·590	19·26	18.85	33.02	71.6	70.0	23.72	73.0
	13.30	20·728	19·36	18.86	33.04	71.4	69.8	23.78	72.9
	13.45	21·208	19·57	18·89	33.05	71.3	69.6	23.85	72.7
	14.00	20·865	19.42	18·90	33.06	71.3	69.2	23.78	72.7
	14.15	20·659	19·57	18·93	33.12	71.3	69.0	23.80	72.7
	14.30	20.659	19·47	18·90	33.14	71.4	68.8	23.78	72.6
	14.45	21·002	19.47	19.00	33.19	71.4	68.8	23.76	72.4
	15.00	20.865	19.74	19.09	33.25	71.4	68.7	23.83	72.4
	15.15	21.276	19.89	19.10	33.35	71.5	68.7	23.80	72.3

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
JAN. 9TH.	15.30	21·482	20·21	19.14	33.36	71·7	68·7	23.82	82·3
	15.45	22.237	20.52	19.14	33.40	72.0	68.8	23.87	72.3
	16.00	22.101	20.83	19.20	33.45	72.4	68.9	23.86	72.4
	16.15	22.649	21.25	19.21	33.54	72.6	69.2	23.86	72.5
	16.30	22.787	21.45	19.23	33.62	73.0	69.4	23.82	72.6
	16.45	23.609	21.71	19.22	33·63	73.4	69.8	23.75	72.8
	17.00	23.335	21.71	19.23	33.70	73.8	69.9	23.76	73.0
	17.15	23.267	21.61	19.25	33.75	74.0	70.0	23.60	73.1
	17.30	23.060	21.25	19.20	33.75	74.6	70.1	23.39	73.4
	17.45	22.444	20.73	19.24	33.80	75.0	70.5	23.20	73.8
	18.00	21.826	20.10	19.24	33.82	75.5	70.8	23.06	74.0
JAN. 15TH.	16.00	19.699	18.64	20.10	35.45	77.8	74.0	23.10	77.9
	16.15	20.179	19.00	19.96	35.35	78.0	74.0	23.06	78.0
	16.30	20.247	19.05	19.91	35.25	78.1	74.1	23.04	78.0
	16.45	20.522	19.52	19.87	35.24	78.4	74.3	22.98	78.0
	17.00	20.796	19.69	19.89	35.32	79.0	74.3	22.85	78.1
	17.15	21.208	19.95	19.94	35.42	79.4	74.4	22.80	78.2
	17.30	21.208	19.84	19.96	35.52	79.8	74.4	22.68	78.4
	17.45	21.002	19.69	19.94	35.52	80.3	74.5	22.50	78.7
	18.00	20.590	19.16	19.93	35.58	80.6	74.7	22.40	79.0
	18.15	19.836	18.48	20.00	35.70	81.1	74.9	22.23	79.3
	18.30	19.493	18.17	20.06	35.88	81.5	75.0	22.16	79.5
	18.45	19.150	17.74	20.15	36.05	81.9	75.5	22.02	79.9
	19.00	18.944	17.64	20.06	35.90	82.0	75.7	21.98	80.0
	19.15	19.013	17.85	19.87	35.60	82.1	76.0	22.12	80.0
	19.30	19.047	17.79	19.70	35.40	82.1	76.3	22.20	80.3
	19.45	19.287	18.12	19.66	35.30	82.3	76.5	22.18	80.5
	20.00	19.356	18.12	19.71	35.42	82.4	76.7	22.22	80.7
	20.15	19.424		19.65	35.26	82.6	77.3	22.31	80.9
	20.30	20.110	18.64	19.62	35.16	82.7	77.6	22.40	81.0
	20.45	20.385	19·16	19.27	34.56	82.8	77.9	22.58	81.0
	21.00	21.619	20.41	18.87	34.12	82.9	78.3	22.68	81.4
	21.15	21.758	20.41	18.85	34.10	82.9	78.6	22.61	81.7
	21.30	21.758	20.31	18.82	34.05	82.9	78.7	22.60	81.7
	21.45	21.688	20.31	18.79	34.00	82.9	78.7	22.50	81.8
	22.00	21.963	20.52	18.75	33.99	82.9	78.8	22.46	81.9
	22.15	21.963	20.57	18.71	33.92	82.9	79.0	22.46	81.9
	22.30	22.032	20.62	18.68	33.92	82.9	79.2	22.46	81.9
	22.45	21.963	20.62	18·68	33.86	82.9	79.3	22.46	81.9
FEB. 2ND.	3.00	20.247	18.90	17·79	32.45	81.0	79.8	22.99	81.3
	3.15	20.110	18.84	17·85	32.48	80.9	79.8	23.02	81.2
	3.30	20.042	18.64	17·90	32.60	80.9	79.5	23.02	81.0
	3.45	20.247	18.84	18.11	32.90	80.7	79.4	23.02	81.0
	4.00	20.247	18.64	18·19	32.88	80.4	79.3	23.05	80.9
	4.15	20.110	18.64	18·06	32.78	80.3	79.3	23.05	80.8
	4.30	20.316	18.84	18.14	32.90	80.2	79.1	23.05	80.7
	4.45	19.699	18.95	18.41	33.18	80.0	79.0	23.10	80.6
	5.00	20.316	18.95	18.56	33.38	80.0	78.8	23.11	80.5
	5.15	20.179	18.84	18.59	33.38	79.9	78.7	23.16	80.5
	5.30	20.316	18.84	18.62	33.40	79.8	78.5	23.12	80.4
	5.45	20.110	18.79	18.83	33.30	79.5	78.4	23.11	80.2
	6.00	20.316	18.84	18.59	33.20	79.4	78.3	23.10	80.2
	6·15	20.316	18.90	18.64	33.15	79.3	78.1	23.12	80.1
	6.30	20.247	19.05	18.55	32.96	79.3	78.0	23.16	80.1
	6.45	20.728	19.36	18.55	32.90	79.3	78.0	23.22	80.0
	7.00	20.728	19.42	18.43	32.83	79.2	78.0	23.30	79.9
	7.15	20.659	19.36	18.54	32.85	79.2	77.9	23.25	79.9

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩i cumulo-strati; and ∿i nimbi.	
6	B	∿i and ∿i scattered throughout, both moving NE; light rain at 12h. 39m. which ceased at 12h. 58m.	
8	C	Overcast with ∿i, moving NE.	
7	C	∿i and ∿i scattered throughout, former moving ENE; drizzling rain at 2h. 17m.	
6	C	∿i and ∿i scattered about; ⌣i in S hem. above hor.	
6	C	∿i around hor., moving ENE; ⌣i and ∿i scattered about.	
7	G M	∿i scattered throughout, moving E; ∿i in NW.	
7	G M	∿i and ∿i scattered throughout, both moving E.	
7	G M	" " "	
4	B	∿i scattered about, moving E; ∿i in SW and N.	
5	B	∿i scattered about, moving E.	
4	B	∿i scattered about; light rain at 10h. 45m. which lasted 14m.	
8	B	Overcast with ∿i, moving E.	
5	B	∿i scattered about, moving E; drizzling rain from 0h. 22m. to 0h. 43m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.01in.
6	C	∿i scattered throughout; no rain.	
5	C	∿i scattered about hor.; a few patches in E of zth.	
3	C	∿i scattered about hor., moving E.	
3	C	" "	
8	N	Overcast; drizzling rain accompanied with gusts of wind at 5h. which lasted 30m.	
8	N	Overcast; no rain.	
7	N	∿i scattered about, moving E; ∿i above W hor.	
8	N	Overcast with ∿i, moving E.	
6	B	∿i scattered throughout; ∿i in E hem.; drizzling rain from 9h. 22m. to 9h. 25m.	
5	B	∿i scattered about; ∿i in E, S, and W; ⌣i above N hor.	
4	B	∿i around hor., moving ENE; ∿i in E, SE, and S; ⌣i scattered about zth.	
7	B	Densely clouded with ∿i, moving NE; ∿i above SE & S hor.; ⌣i above S hor.	
8	C	∿i and ∿i scattered throughout, moving NE.	
8	C	Overcast with ∿i and ∿i, moving NE.	
8	C	" "	
8	C	" "	
6	N	∿i and ∿i scattered about, both moving E.	
5	N	∿i and ∿i scattered about; a light passing shower of rain at 6h. 53m.	
8	N	Overcast with ∿i, moving NE.	
5	N	∿i scattered about hor.	
6	B	∿i and ∿i scattered throughout, moving E.	
8	B	Overcast with ∿i; breaks in S and N of zth.	
6	B	∿i around hor.; ∿i scattered about zth.	
6	B	∿i and ∿i scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.13in.
5	C	∿i around hor.; ∿i in W, N, and NE, former moving ENE.	
4	C	∿i around hor., SE, and S.	
5	C	Masses of ∿i scattered about.	
7	C	Densely clouded with ∿i; a few stars dimly visible.	
8	N	Overcast with ∿i, moving NE.	
8	N	∿i and ∿i scattered throughout, both moving NE.	
6	N	" " "	
8	N	Overcast with ∿i, moving E.	
8	B	Overcast with ∿i, moving ENE; breaks in S, SW, and S; drizzling at 9h. 47m. which lasted 5m.	
8	B	Overcast with ∿i, moving ENE.	
7	B	Densely clouded with ∿i.	
5	B	∿i scattered about; ∿i above S hor.	
5	C	∿i scattered about, moving NE; ∿i scattered about.	
7	C	Nearly overcast with ∿i and ∿i, moving ENE.	
8	C	Overcast with ∿i and ∿i, both moving NE; breaks above SW and W hor.; drizzling rain at 3h. 4m.	
7	C	Densely clouded with ∿i and ∿i, moving ENE.	
6	N	∿i scattered about; ∿i in SW.	
7	N	∿i and ∿i scattered throughout, moving ENE; ⌣i in W and N.	
6	N	∿i scattered about, moving ENE; ⌣i above W and NW hor.	
6	N	∿i and ∿i scattered throughout, both moving E.	
8	B	Overcast with ∿i, moving E; drizzling rain at 9h. 2m. which lasted 2m.	
8	B	Overcast with ∿i, moving E.	
8	B	Overcast with ∿i, moving NE.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 20th-Midnight	29.786	28.899	80°0	77°0	3°0	76°2	0.88	80°0	81°5	SW b W	0.8					
1 a. m.	.770	.891	79·8	77.0	2.8	75.9	.88	79.9	81.4	,,	½ to ¾					
2 ,,	.754	.870	79·7	77.1	2.6	76.1	.89	79.9	81.4	,,	0.6		+	1		Above 10m.
3 ,,	.748	.863	79.6	77.1	2.5	76.1	.90	79.7	81.3	WSW	½ to 2		+	1		
4 ,,	.744	.848	78.3	77.0	1.3	76.5	.94	78.8	81.0	SW b W	0.5					
5 ,,	.748	.876	79.4	76.7	2.7	75.6	.89	79.4	81.0	,,	0.7					
6 ,,	.773	.898	79.4	76.8	2.6	75.8	.89	79.5	81.0	,,	0.7					
7 ,,	.795	.910	80.8	77.4	3.4	76.1	.86	80.9	81.1	,,	0.6					
8 ,,	.814	.917	81.8	78.0	3.8	76.5	.85	81.8	81.4	,,	0.4					
9 ,,	.820	.918	81.4	78.0	3.4	76.7	.86	81.4	81.4	,,	0.5					
10 ,,	.827	.892	84.5	79.6	4.9	77.8	.81	83.7	81.7	,,	0.5					
11 ,,	.811	.878	85.4	79.8	5.6	77.8	.80	84.6	81.9	,,	½ to 1				None.	
Noon.	.797	.838	85.4	80.4	5.0	78.6	.81	84.7	82.2	,,	0.3					
1 p. m.	.775	.824	83.8	79.8	4.0	78.4	.84	83.5	82.4	WSW	½ to 1					
2 ,,	.759	.777	85.6	81.0	4.6	79.4	.82	84.8	82.5	,,	0.6					
3 ,,	.748	.822	83.0	79.0	4.0	77.5	.84	82.3	82.5	,,	0.5					
4 ,,	.739	.816	84.0	79.2	4.8	77.4	.81	83.2	82.5	,,	0.4					
5 ,,	.731	.798	81.6	78.8	2.8	77.8	.89	81.0	82.5	,,	0.3	0.02				
6 ,,	.748	.868	80.1	77.1	3.0	75.9	.88	80.0	82.2	,,	½ to ¾					
7 ,,	.757	.876	79.6	77.0	2.6	76.0	.89	80.0	82.0	,,	0.3					
8 ,,	.767	.936	79.2	75.6	3.6	74.1	.85	79.2	81.9	,,	¼ to ¾	0.01				
9 ,,	.779	.914	79.7	76.6	3.1	75.4	.87	79.7	81.7	W b N	½ to ¾					
10 ,,	.781	.875	79.5	77.6	1.9	76.8	.92	79.7	81.6	SW	0.3					
11 ,,	.766	.867	80.1	77.6	2.5	76.6	.90	80.2	81.6	WSW	¼ to ¾					
Aug. 21st-Midnight	.744	.829	80·2	78.0	2.2	77.2	.91	80.3	81.7	WSW	½ to ¾					
1 a. m.	.726	.808	79.9	78.0	1.9	77.3	.92	80.0	81.5	,,	0.7					
2 ,,	.702	.801	78.6	77.2	1.4	76.7	.94	78.9	81.4	,,	½ to ¾					
3 ,,	.688	.840	78.3	75.8	2.5	74.8	.89	78.2	81.3	,,	½ to 1½					
4 ,,	.690	.861	78.0	75.2	2.8	74.1	.88	78.4	81.1	,,	0.2					
5 ,,	.695	.835	79.0	76.3	2.7	75.2	.89	79.0	81.0	,,	0.5					
6 ,,	.712	.872	78.4	75.6	2.8	74.5	.88	78.7	81.0	,,	½ to 1½					
7 ,,	.729	.809	77.9	77.5	0.4	77.3	.98	78.6	81.0	,,	0.1	0.01				
8 ,,	.744	.835	80.0	77.8	2.2	76.9	.91	80.1	81.0	,,	0.4					
9 ,,	.758	.838	82.4	78.7	3.7	77.3	.85	81.9	81.3	,,	0.5					
10 ,,	.758	.802	83.0	79.7	3.3	78.5	.87	83.0	81.3	,,	0·6					
11 ,,	.745	.787	85.1	80.3	4.8	78.6	.82	84.3	81.7	,,	0.5					
Noon.	.735	.765	86.2	80.9	5.3	79.0	.80	85.2	82.1	,,	0.5		None.	None.	None.	None.
1 p. m.	.715	.725	86.5	81.4	5.1	79.6	.81	85.2	82.4	W b S	0.5					
2 ,,	.697	.804	86.0	79.0	7.0	76.4	.74	84.4	82.6	,,	0.5					
3 ,,	.689	.817	84.5	78.1	6.4	75.6	.76	83.5	82.5	,,	0.4					
4 ,,	.683	.814	82.6	77.5	5.1	75.5	.80	82.1	82.4	,,	0.5					
5 ,,	.688	.853	81.3	76.3	5.0	74.3	.80	81.2	82.2	,,	0.3					
6 ,,	.705	.836	81.1	77.1	4.0	75.5	.84	81.1	82.0	WSW	0.2					
7 ,,	.721	.838	80.6	77.3	3.3	76.0	.87	80.6	82.0	SW	0.3					
8 ,,	.729	.871	80.0	76.5	3.5	75.1	.86	80.0	81.8	W b S	0.3					
9 ,,	.739	.863	80.1	77.0	3.1	75.8	.87	80.1	81.7	,,	0.3					
10 ,,	.739	.852	79.8	77.2	2.6	76.2	.89	79.8	81.6	WSW	0·2					
11 ,,	.729	.888	78.9	75.5	3.4	74.5	.86	78.3	81.6	SW	0.3	0.05				
Aug. 24th-Midnight	.780	.911	79.3	76.6	2.7	75.5	.89	79.3	81.2	SW	0.3					
1 a. m.	.770	.884	79.2	77.0	2.2	76.1	.91	79.4	81.1	,,	0.3					
2 ,,	.757	.884	79.0	76.6	2.4	75.7	.90	79.0	81.0	SW b W	0.4					
3 ,,	.757	.897	78.7	76.2	2.5	75.2	.89	78.9	81.0	,,	¼ to ¾					
4 ,,	.760	.991	78.0	73.6	4.4	71.7	.82	76.5	80.9	,,	¾ to 4¾	0.15				
5 ,,	.762	.932	77.2	75.0	2.2	74.1	.91	77.0	80.7	WSW	0.3	0.01				
6 ,,	.782	.950	76.5	74.8	1.7	74.2	.93	76.5	80.5	SW	0.3	0·02	None.	None.	None.	None.
7 ,,	.798	.899	78.2	77.2	1.0	76.8	.96	78.2	80.4	,,	0.2					
8 ,,	.825	.910	80.2	78.0	2.2	77.2	.91	80.0	80.6	,,	0.3					
9 ,,	.836	.884	82.6	79.5	3.1	78.4	.88	82.0	81.0	WSW	0.2					
10 ,,	.831	.884	83.8	79.7	4.1	78.2	.84	83.1	81.3	,,	0.3					
11 ,,	.826	.874	84.1	79.9	4.2	78.4	.84	83.1	81.5	W	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
8	B	Overcast with ⌒i, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's 0.04in.
8	C	Overcast.	
8	C	Overcast; fresh breezes of wind after 2h. 50m.	
8	C	" " "	
8	C	Overcast; wind abated in force.	
8	N	⌒i and ⌒i scattered throughout, both moving ENE.	
8	N	Overcast with ⌒i, moving NE.	
5	N	⌒i in NW, N, and SE; light ⌒i scattered about, moving NE.	
8	N	Overcast with ⌒i and ⌒i, both moving ENE.	
7	B	⌒i scattered throughout, moving ENE.	
8	B	" "	
6	B	⌒i scattered throughout; ⌒i in S above hor.	
7	B	Densely clouded with ⌒i, moving ENE.	
8	C	Overcast with ⌒i, moving ENE.	
7	C	⌒i and ⌒i scattered throughout, both moving ENE; drizzling rain at 2h. 43m. which lasted 15m.	
8	C	⌒i and ⌒i scattered throughout, both moving ENE.	
7	C	⌒i and ⌒i scattered throughout; a shower of rain at 4h. 33m. which lasted 5m.	
7	N	⌒i scattered throughout; ⌒i in N and NE; ⌒i about zth.	
8	N	Overcast with ⌒i and ⌒i, both moving ENE; breaks in NW and NE.	
8	N	Overcast; a passing shower of rain at 7h. 56m.	
8	N	Overcast with ⌒i, moving NE.	
8	B	Overcast with ⌒i, moving ENE.	
8	B	" "	
8	B	" "	
8	B	Overcast with ⌒i, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.07in.
8	C	Overcast; a passing shower of rain at 1h. 37m.	
8	C	Overcast; fresh breezes of wind after 2h. 47m.	
8	C	Overcast; fresh breezes of wind blowing.	
8	C	Overcast; light breezes of wind blowing.	
8	N	⌒i scattered about, moving NE; ⌒i about zth.	
8	N	Overcast with ⌒i, moving NE; drizzling rain commenced at 6h. 6m.	
8	N	Overcast; rain ceased at 7h. 10m.	
8	N	Overcast; no rain.	
7	B	⌒i scattered throughout, moving E; light drizzling rain from 9h. 26m. to 9h. 32m.	
7	B	⌒i and ⌒i scattered throughout, moving E.	
5	B	⌒i about zth.; ⌒i scattered about	
7	B	⌒i and ⌒i scattered throughout, former moving ENE.	
7	C	⌒i around hor.; ⌒i scattered about, both moving ENE.	
8	C	Overcast with ⌒i and ⌒i.	
7	C	⌒i around hor.; ⌒i scattered throughout.	
7	B	⌒i scattered throughout; ⌒i in SW.	
8	B	⌒i scattered throughout, moving E.	
7	B	" "	
8	B	Overcast; a passing shower of rain at 7h. 4m.	
7	B	⌒i in hor.; ⌒i scattered throughout.	
7	B	" "	
7	B	⌒i and ⌒i scattered throughout, former moving NE; light rain commenced at 10h. 59m.	
8	B	Overcast with ⌒i, moving ENE; rain ceased at 11h. 7m.	
6	L	Light ⌒i scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.61in.; the greatest height of Barometer during this month was 29.848in. At 9 P. M. on the 24th instant, which was greater than the Normal Mean by 0.089in.; at 4 A. M. the Temperature of Evaporation was less during the month.
8	C	Overcast with ⌒i and ⌒i, both moving NE.	
6	C	⌒i scattered about, moving NE.	
6	C	⌒i scattered about; light rain commenced at 3h. 56m.	
8	C	Overcast with ⌒i, moving ENE, rain ceased at 4h. 9m. but re-commenced at 4h. 57m.	
8	G M	Overcast; rain ceased at 5h. 12m. but re-commenced at 5h. 52m. which lasted 5m.	
8	G M	Overcast; no rain.	
8	G M	" "	
7	G M	⌒i scattered throughout, moving NE.	
6	L	" "	
5	L	⌒i scattered about hor. a few ⌒i in SE.	
6	L	⌒i scattered about, moving NE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew Point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 24th-Noon.	29.815	28.927	82°6	78°0	4°6	76°2	0.82	82°0	81°7	W	0.4					
1 p. m.	.812	.961	82.4	77.0	5.4	74.9	.79	80.5	81.7	„	¼ to 1¾					
2 „	.794	.910	80.1	77.2	2.9	76.1	.88	80.0	81.4	„	0.4					
3 „	.796	.885	78.4	77.4	1.0	77.0	.96	78.2	81.2	„	⅛ to 1⅓	0.12				
4 „	.796	.919	78.2	76.5	1.7	75.8	.93	78.3	81.2	SW	½ to 1					
5 „	.798	.902	78.3	77.0	1.3	76.5	.94	78.4	81.0	„	0.4		None.	None.	None.	None.
6 „	.808	.931	77.2	76.2	1.0	75.8	.96	77.4	80.8	WSW	0.2	0.26				
7 „	.826	.923	78.4	77.2	1.2	76.7	.95	78.5	80.8	„	0.2					
8 „	.839	.938	78.6	77.2	1.4	76.7	.94	78.8	80.8	„	0.3					
9 „	.848	.941	78.8	77.4	1.4	76.9	.94	79.0	80.8	„	0.2					
10 „	.847	.959	79.0	77.0	2.0	76.2	.92	79.3	80.7	„	0.3					
11 „	.845	.951	79.2	77.2	2.0	76.4	.92	79.3	80.7	„	0.2					
Aug.25th-Midnight	.817	.931	77.8	76.6	1.2	76.1	.95	78.9	80.6	WSW	0.2					
1 a. m.	.796	.913	78.4	76.7	1.7	76.0	.93	78.6	80.6	„	0.3					
2 „	.780	.914	78.2	76.2	2.0	75.4	.92	78.0	80.6	„	0.2					
3 „	.769	.858	78.0	77.3	0.7	77.0	.97	78.2	80.5	W b S	¼ to 1¼	0.02				
4 „	.775	.917	78.2	76.0	2.2	75.1	.91	78.2	80.5	„	0.6					
5 „	.779	.892	78.4	76.8	1.6	76.2	.93	78.4	80.5	WSW	½ to 1					
6 „	.785	.898	78.4	76.8	1.6	76.2	.93	78.6	80.5	„	½ to 1					
7 „	.797	.897	79.0	77.8	1.2	76.6	.95	79.0	80.5	SW b W	0.6					
8 „	.811	.880	79.2	78.2	1.0	77.7	.96	79.4	80.6	SW	0.6	0.01				
9 „	.835	.889	81.2	79.0	2.2	78.2	.91	81.2	80.7	WSW	0.2					
10 „	.838	.963	82.0	77.5	4.5	75.8	.82	80.5	81.0	„	½ to 2½	0.04				
11 „	.837	.873	83.4	80.0	3.4	78.8	.86	83.0	81.2	W	0.4	0.01	None.	None.	None.	None.
Noon.	.826	.820	84.2	81.2	3.0	80.1	.88	83.5	81.5	W b S	0.2					
1 p. m.	.809	.924	79.6	77.1	2.5	76.1	.90	78.9	81.4	WSW	½ to 3¾	0.07				
2 „	.798	.928	79.6	76.7	2.9	75.6	.88	79.4	81.3	„	¼ to 5¼	0.02				
3 „	.779	.871	80.8	78.0	2.8	76.9	.88	80.6	81.2	„	0.3					
4 „	.773	.873	81.9	78.1	3.8	76.6	.85	81.0	81.4	„	¼ to 1¼					
5 „	.775	.866	80.0	77.8	2.2	76.0	.91	80.0	81.3	„	½ to 1¾	0.03				
6 „	.786	.907	79.8	77.0	2.8	75.9	.88	79.8	81.2	„	½ to 1					
7 „	.788	.911	79.6	76.9	2.7	75.8	.89	79.4	81.2	SW b W	¼ to 1					
8 „	.800	.923	80.0	77.0	3.0	75.8	.88	80.0	81.0	„	½ to 1¼					
9 „	.788	.934	79.6	76.3	3.3	75.0	.86	79.6	81.0	SW	½ to 14					
10 „	.786	.926	79.4	76.4	3.0	75.2	.88	79.6	81.0	„	¼ to 1½					
11 „	.768	.881	79.8	77.2	2.6	76.2	.89	79.8	80.9	„	½ to 1¼					
Aug.26th-Midnight	.743	.866	79.8	77.2	2.6	76.2	.89	79.8	80.9	SW	⅓ to 1⅓					
1 a. m.	.721	.837	79.7	77.1	2.6	76.1	.89	79.6	80.9	„	½ to 1¼					
2 „	.696	.830	79.6	76.6	3.0	75.4	.88	79.4	80.9	„	1.5					
3 „	.687	.814	79.6	76.8	2.8	75.7	.88	79.4	80.8	„	1.0					
4 „	.679	.798	79.6	77.0	2.6	76.0	.89	79.4	80.8	„	0.8					
5 „	.681	.799	79.5	77.0	2.5	76.0	.90	79.4	80.7	„	0.7					
6 „	.686	.810	79.1	76.7	2.4	75.8	.90	79.0	80.6	„	0.6					
7 „	.706	.813	77.8	76.8	1.0	76.4	.96	77.0	80.6	W	¾ to 3	0.05				
8 „	.711	.843	78.0	76.2	1.8	75.5	.92	78.2	80.4	„	¾ to 3¾	0.05				
9 „	.722	.763	80.0	79.0	1.0	786.	.96	80.2	80.6	WSW	¼ to 1¾					
10 „	.727	.753	83.2	80.2	3.0	79.1	.88	82.6	81.1	„	¾ to 4½					
11 „	.723	.157	82.4	79.8	2.6	78.9	.89	82.2	81.1	„	¼ to 2¾	0.02	None.	None.	None.	None.
Noon.	.717	.752	84.0	80.2	3.8	78.8	.85	83.1	81.5	SW	0.5					
1 p. m.	.688	.741	83.8	79.7	4.1	78.2	.84	83.1	81.5	„	⅓ to 2					
2 „	.670	.757	84.2	79.0	5.2	77.1	.80	83.0	81.6	SW b W	⅛ to 1					
3 „	.656	.738	83.7	79.0	4.7	77.3	.82	82.4	81.8	SW	0.8					
4 „	.644	.724	82.8	78.8	4.0	77.3	.84	82.0	81.7	„	0.7					
5 „	.641	.733	80.8	78.0	2.8	76.9	.89	80.8	81.6	W b S	0.6					
6 „	.651	.747	80.4	77.8	2.6	76.8	.89	80.2	81.5	SW	0.3					
7 „	.657	.745	79.0	77.6	1.4	77.1	.90	79.0	81.3	„	0.5	0.01				
8 „	.666	.758	79.2	77.6	1.6	76.9	.93	79.4	81.2	„	0.5					
9 „	.676	.769	79.1	77.5	1.6	76.9	.93	79.1	81.2	„	0.6	0.01				
10 „	.676	.750	79.2	78.0	1.2	77.5	.95	79.5	81.2	„	0.4					
11 „	.676	.801	78.8	76.6	2.2	75.8	.91	79.0	81.0	SW b S	0.5					

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.	Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
April 9th. 1.00	20·590	19·16	16·51	30.25	87·7	85·7	21.32	88·4
1.15	20.522	19·16	16.36	30·05	87.5	85.6	21.35	88.3
1.30	20·728	19·36	16.20	29.78	87.2	85.6	21.46	88.1
1.45	20·590	19·05	16·14	29·65	87.0	85.3	21.40	88.0
2.00	20·179	18·74	15·97	29·42	87.0	85·2	21.38	87.9
2·15	20·247	18·84	15·82	29·15	86.7	85.0	21.45	87.7
2.30	20·590	19·42	15·16	28·18	86.4	84.9	21.60	87.6
2.45	22·237	20·83	14·73	27.55	86.3	84.8	21.90	87.5
3.00	23·198	21·88	14·31	26·78	86.2	84.8	21.98	87.5
3.15	23·473	22·19	13·71	26.00	86.0	84.8	22·00	87.1
3.30	23.335	21·78	13.60	25·75	86.0	84.8	21.86	87.0
3·45	23.130	21·51	13·39	25·42	86.0	84.6	21.78	87.0
4·00	22·923	21.66	13·29	25·22	86.0	84.6	21.72	87.0
4.15	23·884	22·40	12.82	24·46	86.0	84.6	21.88	86.9
4.30	23.335	21.88	12·48	23·95	85.9	84.6	21.75	86.8
4.45	23·953	22·92	12·16	23 35	85.8	84.6	21.78	86.7
5·00	25·394	23.35	11·80	22.94	85.6	84.6	22.05	86.6
5.15	24·707	22·56	11·95	23.06	85.6	84.5	21.90	86.5
5.30	25·806	23.87	11·72	22·84	85.5	84.4	22.10	86.4
5·45	24·502	22·82	12·05	23·10	85.4	84.3	21.81	86.3
6.00	24·707	23·23	11·65	22·70	85.3	84.2	22.05	86.1
6.15	25·463	23·23	12.08	23·45	85.2	84.1	22.08	85.9
6.30	24·914	23·35	12·38	23·70	85.1	84.1	22.08	85.8
6.45	24·502	22·87	12·38	23.75	85.0	84.0	22.10	85.6
7.00	25·737	23·55	12·65	24·35	85.0	84.0	22.27	85.5
7.15	25·120	23.50	13.01	24·55	85.0	84.0	22.18	85.5
7.30	25·600	24·07	12·83	24·35	85.0	84.0	22.32	85.4
7.45	24·432	23.08	13·86	26·15	85.0	83.9	22.04	85.4
8.00	24·846	23·35	14·06	26·20	84.9	83.8	22.20	85.2
8.15	24·432	22·45	14·23	26·45	84.8	83.6	22.18	85.2
8.30	25·394	23·97	14·23	26·45	84.8	83.6	22.31	85.2
8.45	26·080	23·97	14·15	26·40	84.7	83.4	22.42	85.0
9.00	26·012	23·87	14·21	26·38	84.6	83.4	22.26	85.0
9·15	26·149	23·92	14·10	26·23	84.6	83.4	22.23	85.0
9.30	26·492	24·18	14·15	26·30	84.5	83.3	22.30	84.9
9.45	26·492	24·13	14·20	26·45	84.5	83.2	22.28	84.9
10.00	26·904	24·39	14.44	26·72	84.5	83.0	22.30	84.9
10.15	26·904	24·49	14·55	26·90	84.4	83.0	22.30	84.9
10.30	27.452	24·70	14·60	26·98	84.2	82.8	22.40	84.8
10.45	26·766	24·23	14·55	26·90	84.1	82.7	22.29	84.8
11·00	26·355	23·87	14·61	26·97	84.0	82.7	22.22	84.7
11.15	25.875	23·61	14·75	27.24	84.0	82.5	22.19	84.6
11·30	26·423	24·13	15·06	27·80	84.0	82.4	22.22	84.6
11.45	26·355	23·87	15.27	27·94	84.0	82.2	22.22	84.6
12.00	26·218	23·87	15·27	27·90	84.0	82.1	22.16	84.6
12.15	26·080	23·66	15.20	27·80	83.9	82.1	22.15	84.5
12.30	25.806	23·55	15·23	27.85	83.9	82.1	22.15	84.5
12.45	25·875	23·45	15·26	27.90	83.9	82.0	22.14	84.4
13.00	25·600	23·35	15·30	27.92	83.8	82.0	22.14	84.4
13.15	25·875	23·61	15·35	27.98	83.9	82.0	22.24	84.4
13.30	26·355	23·76	15·40	28.10	83.9	82.0	22.25	84.3
13.45	26·149	23·76	15.46	28.25	83.9	81.9	22.18	84.3
14.00	26·766	24·28	15.54	28.50	83.8	81.8	22.06	84.2
14.15	26·492	24·13	15·74	28.86	83.7	81.6	22.02	84.0
14.30	25·943	23.61	16·04	29.38	83.7	81.5	21.82	84.0
14.45	24·776	23·18	16·12	29.48	83.6	81.3	21.72	84.0
15.00	23.816	22·40	16·11	29.35	83.8	81.4	21.64	84.1
15.15	23·335	21.78	16.15	29.42	83.9	81.5	21.52	84.1
15.30	23.130	21.51	16.28	29.70	84.0	81.5	21.42	84.1
15.45	22.649	21.04	16.53	29.96	84.1	81.6	21.35	84.2
16.00	22.032	20.41	16.54	30.02	84.3	81.7	21.32	84.3

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.	Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
April 9th. 16.15	21·551	20·00	16.71	30.25	84°5	81°8	21·28	84°4
16.30	21.345	19.42	16.82	30.38	84.7	82.0	21.22	84.7
16.45	20.590	19.05	16.98	30.67	85.0	82.2	21.16	84.9
17.00	20.110	18.53	17.03	30.91	85.1	82.3	21.14	85.1
17·15	19.630	18.00	17.28	31.17	85.2	82.4	21.06	85.1
17.30	19.218	17.64	17.34	31.21	85.5	82.7	20.85	85.3
17.45	18.738	17.17	17.44	31.43	85.8	82.9	20.83	85.5
18.00	18.327	16.81	17.45	31.45	86.0	83.1	20.80	85.7
18.15	17.915	16.38	17.42	31.39	86.2	83.3	20.83	85.9
18.30	17.366	15.96	17.48	31.41	86.5	83.6	20.78	86.0
18.45	17.023	15.55	17.52	31.50	86.6	83.9	20.72	86.2
19.00	16.817	15.35	17.42	31.50	86.9	84.0	20.73	86.3
20.00	16.269	14.82	16.65	30.06	87.5	85.0	21.05	87.1
20.15	17.023	15.76	15.92	29.04	87.7	85.6	21.28	87.3
20.30	17.641	16.12	15.97	29.25	87.9	86.0	21.36	87.6
20.45	17.298	15.44	16.05	29.35	88.0	86.0	21.32	87.7
21.00	16.543	15.50	16.14	29.42	88.1	86.4	21.15	87.9
21.15	16.955	15.60	16.19	29.50	88.3	86.6	21.34	88.0
21.30	17.366	15.86	16.23	29.50	88.4	86.7	21.42	88.0
21.45	17.709	16.12	16.06	29.50	88.6	86.7	21.45	88.2
22.00	17.641	16.33	16.20	29.60	88.7	86.7	21.40	88.4
22.15	18.121	16.75	16.22	29.70	88.7	86.7	21.45	88.6
22.30	18.189	16.86	16.37	29.90	88.7	86.7	21·44	88.7
22.45	18.875	17.33	16.22	29.80	88.7	86.7	21.56	88.7
23.00	18·807	17.38	16.20	29.70	88.7	86.7	21.50	88.8
23.15	19.287	17.90	15.93	29.34	88.8	86.7	21.56	88.9
23.30	20.247	18.79	15.76	29.12	88.8	86·7	21.60	89.0
23.45	20.179	18.64	15.74	29.10	88.8	86.7	21.54	89.0
April 10th. 0.00	20.042	18.43	15.55	28.74	88.7	86.7	21.50	89.0
0.15	19.836	18.38	15.28	28.42	88.5	86.6	21.45	88.9
0.30	19.836	18.43	15.34	28.62	88.4	86.5	21.35	88.9
0.45	19.630	18.12	15.44	28.74	88.0	86.1	21.30	88.7
1.00	20.590	19.16	14.91	27.82	87.8	86.0	21.45	88.3
1.15	20.728	19.42	14.66	27.55	87.5	85.9	21.42	88.1
1.30	20.453	19.16	14.72	27.52	87.4	85.8	21 40	88.0
1.45	20.865	19.47	14.65	27.35	87.2	85.7	21.45	87.9
2.00	21.551	20·10	14.40	26.75	87.0	85.5	21.55	87.7
2.15	22.444	20.31	14.07	26.64	86.8	85.4	21.62	87.6
2.30	23.404	21.66	14.65	27.80	86.6	85.3	21.68	87.5
2.45	23.267	21.51	15.25	28.35	86.4	85.2	21.60	87.4
3.00	22.581	21.14	15.13	28.05	86.3	85.1	21.57	87.2
3.15	22.957	21.14	14.82	27.60	86.1	85.0	21.73	87.0
3.30	23.198	21.78	14.59	27.18	86.0	84.9	21.71	87.0
3.45	24.090	23.08	14.31	26.88	86.0	84.7	21.90	86.9
4.00	25.737	23.08	14.90	28.00	86.0	84.6	22·02	86.8
4.15	24.363	22·71	15.55	28.72	85.9	84.5	21.64	86.6
4.30	22.718	20.83	15.58	28.78	85.8	84.4	21.54	86.5
4.45	22.305	20.41	15.81	29.08	85.7	84.4	21.52	86.4
5.00	21.619	19.95	15·82	29.05	85.6	84.2	21.55	86.3
5.15	21.619	20.00	15.74	38.94	85.5	84.2	21.67	86.2
5.30	21.688	20.31	15.72	28.76	85.4	84.1	21.70	86.1
5.45	22.168	20.58	15.46	28.51	85.4	84.0	21.83	86.0
6.00	22.168	20.73	15.46	28.51	85.2	84.0	21.81	86.0
6.15	22.237	20.73	15.52	28.54	85.2	84.0	21·80	85.9
6.30	22.168	20.67	15.63	28.73	85.1	83.9	21.80	85.9
6.45	21.688	20.47	15.69	28.75	85.0	83.9	21.77	85.6
7.00	22.168	20.83	15.57	28.53	85.0	83.8	21.90	85.4
7.15	22.581	20.99	15.55	28.61	84·9	83.6	21·97	85.1
7.30	22.168	20.47	16.40	30.06	84.8	83.5	21.85	85.0

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time,	Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
April 10th. 7.45	21·895	20·47	16.70	30.27	84°7	83°5	21.89	85°0
8.00	21.963	20.41	16.71	30.28	84.6	83.3	21.93	84.9
8.15	21.963	20.47	16.69	30.14	84.4	83.2	21.93	84.9
8.30	22.032	20.47	16.53	29.95	84.4	83.0	22.10	84.8
8.45	22.101	20.73	16.34	29.55	84.4	82.8	22.10	84.8
9.00	22.444	20.73	16.25	29·55	84.4	82.8	22.05	84.6
9.15	21.895	20.47	16.25	29.40	84.3	82.7	22.05	84.4
9.30	22.032	20.47	16.25	29.40	84.3	82.7	22.05	84.3
9.45	22.101	20.47	16.21	29.48	84.1	82.7	22.05	84.2
10.00	22.374	20.52	16.37	29.67	84.1	82.7	22.05	84.2
10.15	22.512	20.57	16.38	29.85	84.0	82.5	22.05	84.0
10.30	22.168	20.21	16.55	30.04	84.0	82.4	22.05	84.0
10.45	22.101	20.21	16.85	30.70	84.0	82.3	22.05	84.0
11.00	21.895	20.05	17.18	30.78	84.0	82.2	22.12	84.0
11.15	22.101	20.05	17.10	30.65	84.0	82.1	22.15	84.0
11.30	21.688	19.69	17.15	30.75	83.9	82.0	22.05	84.0
11.45	21.415	19.42	17.24	30.85	83.8	82.0	22.05	83.9
12.00	21.415	19.69	17.17	30.74	83.7	82.0	22.10	83.8
12.15	21.758	19.69	17.01	30.61	83.7	82.0	22.18	83.7
12.30	21.071	20.21	17.05	30.62	83.6	81.9	22.18	83.7
12.45	22.649	20.99	16.88	30.30	83.4	81.9	22.30	83.6
13.00	22.854	21.25	16.90	30.30	83.3	81.8	22.32	83.5
13.15	23.198	21.51	16.82	30.20	83.3	81.7	22.30	83.4
13.30	23.473	21.66	16.87	30.28	83.3	81.7	22.38	83.4
13.45	23.540	21.78	16.87	30.30	83.2	81.6	22.43	83.2
14.00	24.021	21.88	16.91	30.35	83.2	81.5	22.38	83.0
14.15	24.776	22.56	16.72	30.22	83.2	81.4	22.55	82.9
14.30	25.394	23.97	16.68	30.18	83.1	81.3	22.52	82.9
14.45	25.257	23.76	16.87	30.42	83.2	81.3	22.38	83.0
15.00	25.326	23.87	16.88	30.44	83.3	81.3	22.32	83.0
15.15	24.502	23·13	16.77	30.32	83.4	81.4	22.05	83.1
15.30	24.639	23.45	16.79	30.35	83.6	81.5	21.98	83.2
15.45	23.746	23.08	16.95	30.50	83.7	81.6	21.82	83.5
16.00	24.090	22.61	16.98	30.54	83.9	81.6	21.74	83.6
16.15	23.335	21.88	16.97	30.54	84.1	81.8	21.55	83.9
16.30	23.060	21.56	17.04	30.64	84.3	81.8	21.48	84.0
16.45	22.854	21.30	17.13	30.75	84.6	82.0	21.37	84.2
17.00	22.101	20.67	17.21	30.88	84.9	82.1	21.25	84.6
17.15	21.619	20.21	17.21	30.80	85.0	82.4	21.21	84.9
17.30	21.208	19.74	17.28	31.02	85.2	82.6	21.16	85.0
17.45	20.865	19.47	17·34	31.09	85.6	82.9	21.15	85.1
18.00	20.385	18.74	17·31	31.10	85.8	83.0	21.22	85.4
18.15	20.042	18.64	17·30	31.00	86.0	83.2	21.24	85.7
18.30	19.356	18.00	17·33	31.06	86.3	83.3	21.16	85.9
18.45	19.013	17.53	17.25	31.00	86.5	83.5	21.17	86.0
19.00	18.464	17.01	17·24	30.95	86.7	83.9	21.10	86.2
19.15	17.984	16.60	17·22	30.95	86.9	84.0	21.20	86.4
19.30	17.778	16.38	17.24	31.01	87.0	84.1	21.29	86.6
19.45	17.503	16.02	17.25	31.06	87.0	84.3	21.33	86.8
20.00	17.435	16.17	17.25	30.98	87.1	84.4	21.34	86.9
20.15	17.399	16.02	17.09	30.84	87.3	84.5	21.38	87.0
20.30	17.503	16.28	16.88	30.55	87.4	84.7	21.50	87.1
20.45	17.572	16.28	16.76	30.31	87.6	84.9	21.57	87.1
21.00	17.709	16.48	16.68	30.12	87.7	85.0	21.62	87.2
21·15	18.189	16.81	16.51	29.89	87.9	85.2	21.76	87.6
21.30	18.189	16.91	16.35	29.98	87.9	85.3	21.77	87.7
21.45	18.327	17.07	16.19	29.40	87.9	85.3	21.75	87.9
22.00	18.532	17.33	16.06	29.25	88.0	85.5	21.74	88.0
22.15	18.875	17.85	16.07	29.30	88.0	85.6	21.72	88.0
22.30	19.150	17.85	16.12	29.40	88.0	85.6	21.76	88.0
22.45	19.356	18·12	16.18	29.50	88.0	85.6	21.74	88.0

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.	Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
	Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
	At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
April 10th. 23.00	19·767	18·64	16.18	29.51	88°0	85°7	21.75	88°1
23.15	20.385	19.05	16.17	29.60	88.0	85.8	21.84	88.2
23.30	20.522	19.16	16.17	29.58	88.0	85.8	21.78	88.3
23.45	20.728	19.47	16.02	29.32	87.9	85.8	21.82	88.3
May 7th. 23.00	19.287	17.74	16.07	29.45	90.5	88.2	21.32	91.0
23.15	20.042	18.43	16.40	29.96	90.5	88.1	21.32	91.0
23.30	20.522	18.79	16.51	30.11	90.4	88.0	21.39	91.0
23.45	20.385	18.64	16.58	30.18	90.2	88.0	21.36	91.0
May 8th. 0.00	20.453	18.69	16.60	30.20	90.2	88.0	21.33	91.0
0.15	20.453	18.69	16.60	30.20	90.1	88.0	21.36	90.9
0.30	20.385	18.74	16.60	30.19	90.0	87.9	21.32	90.8
0.45	20.590	18.90	16.54	30.10	89.9	87.8	21.35	90.8
1.00	20.522	18.90	16.50	30.05	89.7	87.6	21.35	90.6
1.15	20.590	18.90	16.54	30.05	89.5	87.5	21.33	90.4
1.30	20.865	18.90	16.45	30.00	89·3	87.4	21.32	90.1
1.45	20.865	18.90	16.36	29.75	89.1	87.2	21.33	90.0
2.00	21.071	19.42	16.40	29.85	88.9	87.0	21.40	89.9
2.15	21.071	19.42	16.39	29.90	88.8	86.8	21.40	89.9
2.30	21.071	19.26	16.48	29.96	88.4	86.7	21.42	89.7
2.45	20.590	18.90	16.40	29.96	88.2	86.6	21·30	89.5
3.00	20.590	18.90	16.46	30.04	88.2	86.6	21.37	89.4
3.15	20.385	18.43	16.57	30.20	88.1	86.4	21·37	89.4
3.30	20.316	18.38	16.67	30.24	88.0	86.4	21.40	89.2
3.45	20.316	18.38	16.62	30.24	88.0	86.3	21.42	89.1
4.00	20.385	18.38	16.70	30.30	87.9	86.1	21.40	89 1
4.15	20.728	18.64	16.70	30.30	87.9	86.0	21.45	89.0
4.30	20.385	18.38	16.67	30.40	87.8	86.0	21.45	89.0
4.45	20.522	19.00	16.72	30.32	87.6	86.0	21.48	88.9
5.00	20.865	19.16	16.73	30.42	87.5	85.9	21.55	88.9
5.15	20.522	19.00	17.16	31.10	87.4	85.8	21.45	88.8
5.30	20.796	19.00	17.29	31.20	87.4	85.7	21.50	88.7
5.45	20.728	19.00	17.28	31.18	87.3	85.6	21.46	88.6
6.00	20.590	18.74	17.16	30.95	87.3	85.5	21.60	88.6
6.15	20.796	18.90	17.04	30.82	87.2	85.4	21.62	88.4
6.30	20.933	19.00	16.94	30.65	87.1	85.2	21.57	88.1
6.45	20.865	19.00	17.01	30.80	87.0	85.2	21.63	88.1
7.00	21.002	18.90	17.02	30.80	87.0	85.1	21.59	88.0
7.15	20.865	18.95	17.01	30.78	87.0	85.0	21.62	88.0
7.30	21.071	18.95	17.04	30.93	86.8	85.0	21.59	88.0
7.45	20.933	19.00	17.16	31.00	86.8	84.9	21.62	87.9
8.00	21.345	18.95	17.27	31.24	86.7	84.8	21.61	87.8
8.15	20.865	18.64	17.64	31.70	86.7	84.6	21.62	87·8
8.30	20.865	18.74	17.64	31·66	86.6	84.5	21.64	87.6
9.00	21.139	18.95	17.40	31.20	86.3	84.5	21.75	87.5
9.15	21.310	19.16	17.36	31.16	86.3	84.5	21.80	87.4
9.30	21·173	19.05	17.39	31.16	86.3	84.5	21.73	87.4
9.45	21.208	19.05	17.35	31.00	86.3	84.4	21.73	87.4
10.00	20.796	19.05	17.31	31.00	86.2	84.3	21.74	87.3
10.15	21.002	19.16	17.30	31.00	86.2	84.2	21.73	87.3
10.30	20.590	19.05	17.34	31.10	86.2	84.2	21.71	87.3
10.45	20.796	19.00	17.36	31.10	86.2	84.1	21.72	87.2
11.00	20.965	18.95	17.47	31.20	86.2	84.1	21.70	87.2
11.30	21.345	19.16	17.40	31.10	86.2	84.1	21.80	87.2
11.45	21.139	19.16	17.47	31.10	86.2	84.0	21.75	87.2
12.00	21.002	19.10	17·41	31.00	86.2	84.0	21.75	87.2
12.15	20.933	18.95	17.49	29.15	86.2	84.0	21.72	87.2
12.30	20.933	19.05	17.52	31.10	86.2	84.0	21.73	87.2

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
May 8th.	12.45	21·208	19·36	17·49	31.05	86°4	84°0	21.85	87°5
	13.00	21.208	19·36	17.45	31·00	86.4	84.0	21.80	87.4
	13.15	21·415	19·42	17.47	31.02	86.4	84.0	21.78	87.4
	13.30	21·551	19·69	17·45	30·98	86.4	84·0	21.86	87.4
	13.45	22·168	20·21	17·49	31·00	86.4	84·0	21.92	87.4
	14·00	22·374	20·41	17·28	30·85	86.4	84.0	21.85	87.3
	14.15	21·963	20·21	17·27	31·00	86.4	84.0	21.75	87.2
	14.30	22·168	20·41	17·29	31.00	86.5	84.0	21.80	87.2
	14.45	22·649	20·73	17·35	31·10	86.5	84.0	21.75	87.3
	15.00	22·305	20·73	17·36	31.05	86.8	84.0	21·65	87.5
	15.15	22.101	20·21	17.31	31·02	86.8	84.0	21.65	87.5
	15·30	22.305	20·41	17·30	31·05	86.8	84.2	21.50	87.5
	15·45	22·101	20.21	17·38	31·14	86.9	84.3	21.40	87.6
	16.00	21·826	19·89	17.40	31·14	87.1	84.7	21.36	87.7
	16.15	21.551	19.69	17·60	31·44	87.4	84.7	21.30	87.9
	16.30	21·071	19·16	17·59	31·42	87.6	84.8	21.30	88.0
	16·45	20·385	18.53	17·79	31.72	88.0	85.3	21.15	88.2
	17.00	20·247	18·53	17·80	31.78	88.3	85.6	21.14	88.4
	17.15	20·110	18.22	17·83	31·78	88.5	85.7	21.12	88.6
	17·45	19·767	18·00	17·81	31·76	88.9	86.0	21.02	88.9
	18.00	19·493	17·74	17·73	31·65	89.1	86.2	21.00	89.1
	18.15	19·699	17·90	17.63	31·64	89.4	86.6	21.05	89.3
	18.30	19·493	17·59	17·64	31·58	89.6	86.8	21.02	89.5
	18.45	18·807	17·06	17.66	31.55	89.9	87.1	20.95	89.6
	19.00	18·601	16·75	17·59	31·45	90.1	87.4	20.88	89.9
	19.15	18·052	16.28	17.52	31·27	90.2	87.7	20.90	90.0
	19.30	17·846	15·91	17·41	31·22	90.3	87.9	20.96	90.0
	19.45	17·641	15.76	17·33	31·12	90.4	88.0	20.98	90.1
	20.00	17·435	15·76	17·35	31·15	90.6	88.1	20.98	90.3
	20.15	17·778	15·91	17·22	31·12	90.8	88.2	21.00	90.4
	20.30	18·052	16·22	17·37	31·18	90.9	88.3	21.08	90.5
	20.45	18·189	16·43	17·40	31·30	91.0	88.5	21.10	90.6
	21.00	18·464	16·81	17·41	31·30	91.1	89.0	21.09	91.0
	21·15	18·738	16·86	17·35	31·20	91.3	89.3	21.18	91.0
	21.30	18·807	17·07	17·32	31·25	91.4	89.4	21.24	91.1
	21.45	19·218	17·27	17·31	31·20	91.4	89.5	21.32	91.2
	22.00	19·218	17·48	17.32	31·22	91.4	89.7	21.27	91.2
	22.15	19·218	17·48	17·27	31·16	91.5	89.7	21.23	91.2
	22.30	19.356	17·53	17·22	31·10	91.3	89.7	21.22	91.3
	22.45	19·356	17·53	17·19	31·00	91.3	89.7	21.24	91.4
	23·00	19·289	17·43	17·08	30·97	91.3	89.7	21.16	91.6
	23.15	19.630	18·00	16·90	30.65	91.2	89.6	21.18	91.5
	23·30	19·630	18·00	16·92	30·65	91.2	89.5	21.12	91.5
	23.45	19·424	17·90	16.82	30·58	91.0	89.4	21.06	91.4
	24.00	19·904	18·00	16·78	30·58	90.9	89.4	21.10	91.3
May 24th.	0.00	18·944	18·12	16·63	30.26	89.1	87.0	21.06	90.1
	0.30	18·944	18·05	16·68	30.33	89.0	87.0	21.13	90.0
	0.45	18·944	18·05	16·64	30.29	89.0	87.0	21.20	89.9
	1.00	19·013	18·05	16·68	30.33	88.9	86.9	21.20	89.8
	1.15	19·150	18·17	16.66	30.30	88.7	86.9	21.26	89.8
	1.30	19·424	18·64	16.65	30.30	88.6	86.8	21.29	89.7
	1.45	19·424	18·64	16·64	30.25	88.5	86.7	21.35	89.4
	2.00	19·767	18.74	16·60	30.20	88.2	86.5	21.40	89.2
	2.15	19·836	18·79	16·60	30.19	88.0	86.3	21.40	89.0
	2.30	19.836	18·79	16·58	30.19	88.0	86.2	21.34	89.0
	2.45	19·630	18.38	16.65	30.34	87.7	86.1	21.34	88.9
	3.00	19.356	18.12	16.72	30.35	87.5	86.0	21.35	88.7
	3.15	19.356	18.12	16.61	30.32	87.5	86.0	21.44	88.6
	3.30	19.424	18.38	16.66	30.30	87.5	86.0	21.48	88.4

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
May 24th.	3.45	19·424	18·38	16.55	30.05	87°3	85°9	21·50	88°4
	4.00	19.424	18.17	16.55	30.06	87.1	85.9	21.52	88.2
	4.15	19.356	18.12	16.65	30.20	87.1	85.8	21.52	88.1
	4.30	18.875	17.69	16.75	30.35	87.0	85.7	21.52	88.0
	4·45	19.013	17.90	16.78	30.38	87.0	85.5	21.55	88.0
	5.00	19.493	18.22	16.84	30.50	86.9	85.4	21.62	87.9
	5.15	19.630	18.27	16.84	30.52	86.9	85.4	21.66	87.9
	5.30	19.699	18.43	16.90	30.55	86.7	85.2	21.65	87.7
	5.45	19.630	18.43	16.94	30.62	86.6	85.0	21.66	87.6
	6.00	19.699	18.53	17.01	30.70	86.5	85.0	21.68	87.5
	6.15	19.630	18.43	17.12	30.76	86.4	84.9	21.68	87.5
	6.30	19.699	18.53	17.17	30.80	86.3	84.8	21.70	87.4
	6.45	19.630	18.43	17.22	30.92	86.3	84.8	21.72	87.3
	7.00	19.424	18.32	17.28	31.08	86.2	84.7	21.76	87.2
	7.15	19.493	18.32	17.34	31.12	86.1	84.6	21.80	87.2
	7.30	19.561	18.38	17.40	31.22	86.0	84.4	21.84	87.1
	7.45	19.561	18.27	17.44	31.20	86.0	84.4	21.82	87.0
	8.00	19.561	18.27	17.48	31.18	86.0	84.3	21.85	87.0
	8.15	19.561	18.32	17.46	31.17	86.0	84.3	21.84	86.9
	8.30	19.699	18.32	17.42	31.15	85.9	84.2	21.85	86.8
	8.45	19.767	18.43	17.44	31.20	85.9	84.2	21.87	86.8
	9.00	19.836	18.53	17.49	31.22	85.9	84.1	21.90	86.7
	9.15	19.836	18.58	17.47	31.24	85.9	84.1	21·50	86.7
	9.30	19.904	18.79	17.49	31.29	85.8	84.1	21.48	86.6
	9.45	19·904	18.79	17.55	31.30	85.8	84.0	21.54	86.6
	10.00	20.042	18.69	17.52	31.30	85.8	84.0	21.42	86.6
	10.15	19.973	18.64	17.56	31.32	85.8	84·0	21.22	86.5
	10.30	19.973	18.74	17.57	31.32	85.8	84.0	21.28	86.5
	10.45	19.904	18.64	17.55	31.30	85·7	84·0	21·25	86·5
	11.00	19.836	18.64	17.60	31.40	85.6	84.0	21.29	86·5
	11.15	20.042	18.64	17.64	31.41	85.6	83.9	21.27	86·5
	11.30	19.973	18.69	17.65	31.48	85.6	83.9	21.34	86.4
	11.45	19.973	18.69	17.70	31.51	85.6	83.9	21.38	86.4
	12.00	19.973	18.69	17.64	31.48	85.5	83.8	21.41	86.3
	12.15	19.973	18.64	17.66	31.49	85.4	83.8	21.42	86.3
	12.30	20.179	18.90	17.64	31.50	85.4	83.6	21.46	86.1
	12.45	20.385	18.95	17.71	31.50	85.3	83.5	21 52	86.0
	13.00	20.796	19.47	17.67	31.55	85.0	83.4	21.55	86.0
	13.15	20.865	19·69	17.72	31.60	85.0	83.4	21.65	85.7
	13.30	21.208	20.10	17.79	31.60	85.0	83.3	21.68	85.5
	13.45	21.619	20.73	17.77	31.65	85.0	83.3	21.70	85.4
	14.00	22.374	21.04	17.76	31.73	85.1	83.2	21.70	85.2
	14.15	22.374	21.25	17.73	31.78	85.1	83.2	21.72	85.2
	14.30	22.991	21.56	17.76	31.88	85.3	83.2	21.74	85.3
	14.45	23.130	21.98	17.81	31.94	85.4	83.2	21.72	85.4
	15.00	23.198	22.19	17.86	32.00	85.6	83.3	21.62	85.6
	15.15	23.335	22.24	17.92	32.05	85.8	83.4	21·50	85.8
	15.30	23.267	22·24	17.95	32.10	85.9	83.4	21.40	85.9
	15.45	23.198	22.24	17.97	32.14	86.0	83.5	21.32	86.0
	16.00	23.060	21.88	18.04	32.25	86.1	83.8	21.22	86.1
	16.15	22.854	21.66	18·09	32.30	86.4	84.0	21.10	86.4
	16.30	22.649	21.45	18.14	32.35	86.7	84.1	21.00	86.7
	16.45	22.168	20.62	18.20	32.42	87.0	84.3	20.86	86.9
	17.00	21.758	20.26	18.26	32.55	87.3	84.5	20.75	87.0
	17.15	21.345	20.15	18.28	32.60	87.4	84.6	20.68	87.2
	17.45	20.101	19.05	18.34	32.70	87.9	85.1	20·48	87.6
	18.00	19.767	18.64	18.35	32.72	88.1	85.4	20.38	87.9
	18.15	19.150	18.38	18.34	32.72	88.4	85.6	20.28	88.2
	18.30	18.738	18.12	18.30	32.68	88.6	85.8	20.26	88.3
	18.45	18.258	17.17	18.25	32.64	88·9	86·0	20·26	88.5
	19.00	17.915	16.86	18.26	32.64	89.0	86.3	20.26	88.8

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
May 24th.	19.15	17·572	16·65	18.09	32.34	89°2	86°4	20.30	89°0
	19.30	17.229	16.28	18.05	32.34	89.3	86.6	20.32	89.0
	20.00	17.023	16.02	18.04	32.35	89.6	87.1	20.32	89.3
	20.15	16.886	15.91	18.05	32.35	89.7	87.3	20.38	89.5
	20.30	16.886	15.91	17.96	32.24	89.9	87.5	20.45	89.7
	20.45	16.955	16.02	17.92	32·15	90.0	87.9	20.48	89.9
	21.00	17.092	16.17	17.88	32.09	90.1	88.0	20.50	90.0
	21.15	17.160	16.17	17.84	32.05	90.1	88.1	20.48	90.0
	21.30	17.229	16.28	17.77	31.95	90.2	88.1	20.48	90.0
	21.45	17.366	16.48	17.71	31.89	90.2	88.1	20.43	90.0
	22.00	17.435	16.55	17.69	31.85	90.2	88.1	20.42	90.1
	22.15	17.709	16.70	17.65	31.79	90.3	88.1	20.46	90.1
	22.30	17.778	16.81	17.59	31.70	90.3	88.2	20.46	90.2
	22.45	18.052	17.07	17.51	31.60	90.3	88.3	20.46	90.2
	23.00	18.189	17.27	17.43	31.50	90.3	88.3	20.55	90.3
	23.15	18.464	17.43	17.41	31.45	90.3	88.3	20.67	90.4
	23.30	18.601	17.59	17.38	31.40	90.2	88.4	20.65	90.5
	23.45	18.738	18.00	17.32	31.31	90.1	88.4	20.72	90.5
June 4th.	0.00	19.493	18.74	16.45	30.36	88.0	86.2	20.78	88.0
	0.45	19.150	18.53	16.90	31.18	87.9	86.6	20.65	88.7
	1.00	18.944	18.22	17.05	31.30	87.7	86.5	20.65	88.7
	1.15	19.013	18.22	17.12	31.36	87.6	86.4	20.65	88.6
	1.30	19.081	18.27	17.16	31.46	87.4	86.2	20.70	88.5
	1.45	18.875	17.90	17.25	31.54	87.1	86.0	20.72	88.2
	2.00	19.150	18.22	17.20	31.44	87.0	86.0	20.78	88.0
June 22nd.	19.30	19.493	19.42	17.33	31.90	86.8	83.8	21.20	86.0
	19.45	20.316	19·52	17.56	31.90	86.9	83.9	21.24	86.2
	20.00	19.424	18.64	17.73	32.25	87.0	84.0	21.19	86.4
	20.15	18.875	18.12	17.83	32.25	87.0	84.0	21.08	86.5
	20.30	18.327	18.00	17.62	31.76	87.0	84.0	21.10	86.6
	20.45	17.778	16.96	17.58	31.75	87.3	84.7	21.06	86.6
	21.00	18.601	17.48	17.59	31.94	87.4	84.8	21.19	86.9
	21.15	19.150	18.90	17.60	32.04	87.5	84.9	21.23	87.0
	21.30	18.944	18.79	17.64	31.90	87.6	85.0	21.20	87.2
	21.45	19.150	18.90	17.65	31.96	87.6	85.0	21.22	87.3
	22.00	19.218	19.05	17.65	32.05	87.5	85.0	21.25	87.2
	22.15	19.356	19.16	17·65	31.94	87.5	85.0	21.26	87.2
	22.30	19.425	19.26	17·36	31.45	87.4	85.0	21.34	87.1
	22.45	19.904	19.69	17·14	31.20	87.4	85.0	21.43	87.1
	23.00	19.561	19.31	17·10	31.15	87.4	85.0	21.36	87.0
	23.15	19.973	19.62	17.14	31.18	87.3	85.0	21.35	87.0
	23.30	20.385	20.15	17·17	31.25	87.2	85.0	21.35	87.0
	23.45	20.522	20.31	17·14	31.23	86.8	84.9	21.35	86.9
June 23rd.	0.00	20.385	20.15	17.30	31.48	86.6	84.9	21.38	86.8
	0.15	20.110	19.95	17.44	31.60	86.6	84.9	21.32	86.7
	0.30	20.522	20.10	17.37	31.40	86.4	84.8	21.38	86.6
	0.45	20.453	19.95	17.25	31.24	86.3	84.8	21.37	86.5
	1.00	20.042	19.57	17.25	31.25	86.1	84.8	21.30	86.3
	1·15	19.973	19.57	17.24	31.27	86.1	84.8	21.32	86.2
	1.30	19.767	19.36	17.26	31.21	86.0	84.7	21.32	86.1
	1.45	20.179	19.69	17.28	31.26	86.0	84.6	21.40	86.0
	2.00	20.247	19.95	17.46	31.46	85.9	84.5	21.40	86.0
	2.15	19.904	19.47	17.54	31.55	85.7	84.5	21.37	86.0
	2.30	19.424	18.79	17.83	31.85	85.6	84.5	21.33	85.9
	2.45	19.356	18·64	17.76	31.90	85.5	84.4	21.33	85.9

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
June 23rd.	3.00	18·944	18·17	17.80	32·20	85°5	84°2	21.32	85°9
	3.15	18.258	17.74	18.19	32.83	85.5	84.1	21.28	85.9
	3.30	17.984	17.69	18.00	32.38	85.5	84.1	21.40	85.9
	3.45	18.532	18.12	17.70	31.91	85.4	84.0	21.51	85.9
	4.00	17.984	17·59	17.77	32.12	85.4	84.0	21.42	85.8
	4.15	18.258	18.17	17.53	31.67	85.3	84.0	21.59	85.8
	4.30	18.807	18.69	17.33	31.19	85.2	84.0	21.61	95.8
	4.45	19.699	19.69	17.52	31.66	85.2	84.0	21.65	95.8
	5.00	20.796	20.47	17.75	32.20	85.2	84.0	21.72	95.8
	5.15	20.179	19.69	17.87	32.40	85.2	84.0	21.58	95.8
	5.30	19.424	18.95	17.85	32.20	85.2	84.0	21.50	85.8
	5.45	19.493	19.47	17.66	31.80	85.2	84.0	21.55	85.8
	6.00	19.561	19.42	17.86	32.08	85.2	84.0	21.53	85.8
	6.15	20.110	19.69	17.69	31.82	85.2	84.0	21.65	85.8
	6.30	20.179	19.69	17.50	31.40	85.2	83.9	21.65	85.8
	6.45	20.042	19.69	17.37	31.25	85.1	83.9	21.60	85.8
	7.00	20.110	19.69	17.39	31.55	85.1	83.9	21.60	85.8
	7.15	19.493	18.90	17.65	31.80	85.0	83.9	21.55	85.7
	7.30	19.493	19.42	17.61	31.62	85·0	83.9	21.65	85.7
	7.45	20.042	19.42	17.53	21.62	85.0	83.9	21.65	85.7
	8.00	20.590	19.95	17.26	31.00	85.0	83.8	21.84	85.7
	8.15	21.276	20.73	16.94	30.80	85.0	83.8	21.88	85.6
	8.30	21.276	20.73	17.04	30.80	85.0	83.7	21·85	85.6
	8.45	21.415	20.99	16.98	30.75	85.0	83.7	21.85	85.6
	9.00	21.415	20.99	16.81	30.55	84.9	83.6	21.85	85.6
	9.15	21.276	20.99	16.81	30.45	84.9	83.6	21·75	85.5
	9.30	21.482	21.19	16.91	30.55	84.9	83.6	21.72	85.5
	9.45	21.415	21.19	16.88	30.46	84.9	83.6	21.72	85.5
	10.00	21.345	21.19	16.83	30.45	84.9	83.6	21.72	85 5
	14.45	22.444		17.49		84.0		21.93	84.6
	15.00	22.787		17.35		83.9		22.00	84.6
	15.15	22.787		17.35		83.9		21.83	84.0
	15.30	22.787		17.33		83.0		21.72	83.8
	15.45	22.237		17.40		82.8		21.51	83.6
	16.00	22.168		17.62		82.9		21.67	83.6
	16.15	21.482		17.58		83.0		21.74	83.5
	16.30	21.688		17.46		83.0		21.83	83.6
	16.45	21.278		17.42		83.0		21.76	83.5
	17.00	20.796		17.65		83.0		21.68	83.5
	17.15	20.453		17.77		83.0		21.58	83.5
	17.30	20.247		17.85		82.7		21.52	83.2
	17.45	20.177		17.80		82.4		21.55	83.1
	18.00	20.042		17.76		82.5		21.62	83.1
	18.15	19.630		17.62		82.8		21.54	83.2
	18.30	19.356		17.55		82.5		21.50	83.1
	18.45	19.013		17.45		83.0		21.45	83·3
	19.00	18.875		17.60		83.1		21.40	83.4
	19.15	18.532		17.43		83.2		21.44	83.5
	19.30	18.385		17.43		83.1		21.50	83.3
June 24th.	10.15	21.002	20.36	17.93	32.04	81.2	79.2	22.35	81.6
	10.30	21.139	20.47	17.87	31.95	80.8	79.0	22.38	81.6
	10.45	20.728	20.34	17.91	31.95	80.8	79.0	22.35	81.5
	11.00	20.522	20.10	18.04	32.04	80.8	78.9	22.26	81.5
	11.15	20.179	19.95	18.07	32.05	80.8	78.9	22.26	81.5
	11.30	19.904	19.69	18.09	32.09	80.8	78.9	22.20	81.5
June 29th.	0.30	17.709	17.59	17.60	32.10	84.6	82.7	26.10	84.5
	0.45	17.778	17.59	17.43	32.00	84.6	82.7	26.13	84.5

Not observed. Not observed. Not observed.

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
June 30th.	0.00	17·778	17·59	17.45	32.00	84°6	82°7	26.12	84°5
	0.15	18.327	18·12	17.43	31·98	84.5	82.7	26.20	84.5
	0.30	18·395	18·12	17.43	31.95	84.5	82.7	26.20	84.5
	0.45	19·013	18·64	17·38	31·90	84.5	82.3	26.25	84.3
	1.00	19·150	18·90	17·32	31·89	83.9	82·1	26.35	84.1
	1·15	19·356	18·95	17·33	31·83	83.5	81.2	26.32	83.6
	1.30	19·561	18·95	17·36	31·85	82.8	81.0	26.38	83.3
	1.45	19·630	19·16	17·35	31.89	82.6	80.4	26.48	83.1
	2.00	19·973	19·26	17·46	32·10	82.3	80.3	26.45	83.0
	2.15	19·973	19·42	17·54	32.33	82.2	80.2	26·40	83.0
	2.30	19.836	19·31	17.68	32·45	82.2	80.2	26.25	83.0
	2·45	19.836	19·26	17·66	32·40	82.0	80.1	26.23	82.9
	3·00	19·561	19.21	17·75	32·58	82.0	80.1	26.28	82.8
July 1st.	1.00	19·767	19·95	16·71	31·05	86.6	85.3	26.00	87.2
	1·15	20·522	20.73	16·60	30.99	86.6	85.2	25.98	87.1
	1.30	20·728	20·62	16·68	31.10	86.5	85.1	25.87	87.0
	1.45	20·865	20.62	16·78	31·21	86.3	85.0	25.83	87.0
	2·00	20·590	20·47	16·84	31·35	86.0	84.9	25.75	86.9
	2.15	19·973	19·89	16·94	31·41	86.0	84.9	25.65	86.7
	2.30	19·424	19·21	16.94	31·41	85.8	84.8	25.61	86.5
	2.45	19·150	19·05	16·95	31·43	85.7	84.7	25.62	86.5
	3.00	18·875	18·69	17·00	31.45	85.5	84.6	25.65	86.3
July 5th.	3.00	20·042	19·89	16·97	31·52	86 6	85.4	25.20	87.3
	3.15	20·110	19.95	16·88	31·48	86.5	85.2	25.22	87.3
	3.30	19·973	19·79	16·90	31·65	86.4	85.1	25.25	87.1
	3.45	19·836	19·69	17·13	31·85	86.3	85.0	25.22	86.8
	4.00	20·110	19·89	17·04	31·72	86.3	85.0	25.34	86.7
	4.15	19·904	19·69	16·87	31·46	86.2	84.9	25.33	86.6
	4.30	19·699	19·36	17·03	31·72	86.0	84.9	25.28	86.5
	4·45	19·699	19·69	17·20	31·85	85.9	84.6	25.27	86.4
	5.00	19·767	19·74	17·34	32·10	85.9	84.5	25.34	86.3
Aug. 25th.	19.00	16·886	18·48	18·67	33·12	82.7	80.0	26.44	82.1
	19.15	16·680	18·58	18.46	32·70	83.1	80.4	26.39	82.6
	19.30	16·474	18·12	18·62	33·00	83.4	80.6	26.30	82.7
	19.45	15.788	17·85	18·21	32·30	83.6	80.7	26.20	83.0
	20.00	15·926	17·43	18·15	32·46	83.7	80.9	26.26	83.0
	20·15	15·857	17·33	18·20	32·52	83.7	81.0	26.25	83.1
	20.30	15.994	17·43	18·08	32.32	83.7	81.0	26.28	83.1
	20·45	15·720	17·33	18·08	32·27	83.8	81.2	26.22	83.1
	21.00	15·583	17·33	18.08	32·27	83.9	81.2	26.22	83.2
	21.15	15·583	17·43	18·00	32·11	83.9	81.4	26.20	83.2
	21.30	15·583	17·43	17·98	32.10	83.9	81.4	26.20	83.4
	21.45	15·583	17·33	17·94	32.10	84.0	81.6	26.20	83.7
	22.00	15·583	17·53	17·88	31.98	84.0	81.8	26.21	83.9
	22.15	15·926	17·79	17·90	32.00	84.0	81.9	26.27	84.0
	22.30	16·406	18·38	17.86	31.92	84.1	81.9	26.37	84.0
	22.45	16·817	18·95	17.81	31.86	84.1	82.0	26.42	84.0
	23.00	17·435	19·36	17·74	31.80	84.0	81.9	26.53	83.9
	23.15	17·915	19.79	17·67	31.72	83.9	81.9	26.64	83.7
	23.30	18·327	19·95	17·69	31.81	83.9	81.9	26.67	83.6
	23.45	18.601	20·47	17·69	31.75	83.9	81.9	26.70	83.5
Aug. 26th.	0.00	19.013	20.73	17.67	31.74	83.8	81.9	26.70	88.5
	0.15	19.218	20.83	17.71	31.74	83.8	81.9	26.72	88.4
	0.30	19.699	21.25	17.64	31.68	83.6	81.8	26·78	83.2
	0.45	20.110	22.19	17.61	31.62	83.4	81.8	26 78	83.0
	1.00	20.179	21.88	17.71	31.74	83.2	81.7	26.82	83.0
	1.15	20.316	22.19	17.75	31,82	83.0	81.7	26.68	83.0

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Aug. 26th.	1·30	20·385	22·19	17.78	31.88	83·0	81·4	26.72	82·9
	1.45	20.453	22.09	17.74	31.86	83.0	81.2	26.62	82.9
	2.00	20.179	21.88	17.78	31.86	82.9	81.0	26.52	82.9
	2.15	19.973	21.66	17.81	31.90	82.8	81.2	26.54	82.9
	2.30	19.836	20.56	17.82	31.90	82.4	81.0	26.50	82.8
	2.45	19.561	21.88	17.75	31.90	82.2	80.9	26.58	82.8
	3.00	19.493	20.73	17.72	31.92	82.2	80.8	26.62	82.6
	3.15	19.561	20.62	17.82	31.98	82.0	80.2	26.58	82.4
	3.30	19.424	20.73	17.83	31.92	82.2	80.4	26.58	82.2
	3.45	19.630	20.83	17.79	31.92	82.0	80.6	26.62	82.4
	4.00	19.630	20.62	17.80	31.90	82.0	80.2	26.64	82.0
	4.15	19.561	20.73	17.80	31.88	82.0	80.2	26.64	82.0
	4.30	19.630	20.93	17.75	31.84	82.0	80.2	26.70	82.0
	4.45	19.356	21.14	17.74	31.85	81.9	80.4	26.72	82.0
	5.00	19.767	21.14	17.80	31.90	81.8	80.3	26.72	82.0
	5.15	19.561	21.14	17.90	32.00	81.8	80.3	26.72	82.0
	5.30	19.699	21.25	18.14	32.45	81.8	80.2	26.76	82.0
	5.45	19.630	21.25	18.19	32.45	81.8	80.2	26.80	82.0
Sept. 22nd.	9.00	20·110	21.78	18.11	31.45	80.5	79.4	27.18	81.4
	9.15	20.179	21.93	18.00	31.40	80.5	79.4	27.19	81.4
Oct. 6th.	4.00	19.973	21.51	16.64	29.70	84·0	83·0	45·45	85·6
	4.15	19.699	21.35	16.77	29.88	84.3	83.0	45.48	85·6
	4.30	19.630	21.25	16.77	29.98	84.4	82.9	45.50	85.5
	4.45	19.836	21.56	16.73	30.10	84.4	82.9	45.60	85.5
	5.00	19.836	21.56	16.81	30.25	84.4	82.8	45.63	85.5
	5.15	19.904	21.61	16.80	30.25	84.4	82.8	45.67	85.4
	5.30	19.904	21.61	16.90	30.35	84.3	82.6	45.68	85.4
	5.45	19.904	21.66	16.96	30.50	84.3	82.6	45.70	85.3
	6.00	19.904	21.66	17.03	30.50	84.3	82.5	45 70	85.3
	6.15	20.247	21.88	17.09	30.58	84.2	82.5	45.65	85.3
	6.30	19.973	21·71	17.17	30.70	84.1	82.4	45.60	85.3
	6.45	19.904	21.51	17.25	30.81	84.0	82.3	45.65	85.1
	7.00	20.042	21.71	17.31	30.86	83.9	82.1	45.65	85.0
Dec. 5th.	1.00	22.032	20.85	16.10	26.70	83.5	79.0	48.40	83.5
	1.15	23.110	21.11	16.30	26.90	83.0	78.7	48.65	83.0
	1.30	22.444	20.69	16.43	27.00	82.9	78.5	48.51	82.9
	1.45	21.895	19.81	16.25	26.75	82.7	78.5	48·40	82.8
	2.00	21.963	19·81	16.20	26.70	82.4	78.5	47.85	82.5
	2.15	21.688	18.50	16.13	26.65	82.2	78.4	47.90	82.4
	2.30	21.826	19.07	16.28	26.80	82.0	78.4	47.75	82.2
	2.45	21.619	19.48	16·28	26.69	81.9	78.3	48.40	82.0
	3.00	21.561	19.48	16.15	26.50	81.7	78.2	47.84	82.0
	3 15	21.895	19.69	16.19	26.50	81.6	78.1	48.41	81.9
	3.30	21.688	19.81	16.19	26.50	81.5	78.0	48.35	81.9
	3.45	21.826	19.81	16.16	26.45	81.3	78.0	48.48	81.9
	4.00	21.963	19.59	16.24	26.48	81.1	78.0	48·38	81.7
	4.15	21.758	19.54	16.35	26.55	81.0	78.0	48.80	81.5
	4.30	21.895	19.54	16.30	26.55	80.9	78.0	48.84	81.5
	4.45	21.895	19.40	16.40	26.60	81.0	77.8	48.82	81.5
	5.00	21.619	19.28	16.53	26.60	80·9	77.7	48·80	81.5
	5.15	21.895	19.59	16.52	26.45	80.8	77.7	48.82	81.2
	5.30	22.101	19.81	16.41	26.40	80.6	77.7	48.95	81.2
	5.45	22.101	19.81	16.40	26.38	80.6	77.6	48.90	81.0
	6.00	21.826	19.54	16.55	26.55	80.5	77.5	48.90	81.0
	6.15	21.963	19.64	16.62	26.75	80.4	77.5	48.85	81.0
	6.30	21.963	19.59	16.81	26.95	80.2	77.4	48.88	80.9
	6.45	21.895	19.54	16.88	27·05	80.2	77.3	49.00	80.6
	7.00	21.826	19.54	17.03	27.15	80.1	77.2	48.80	80.6

DISTURBANCE OBSERVATIONS, 1858.

Date and Göttingen Mean Time.		Declination Magnetometer.		Horizontal Force Magnetometer Scale Reading Uncorrected.		Thermometer of Horizontal Force Magnetometer.		Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Large.	Small.	Mean Reading.	Thermometer.
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	2 min. before Full Time.	2 min. before Full Time.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Dec. 5th.	7.15	21·826	19·48	17.15	27.35	80°0	77°1	48.82	80°5
	7.30	21.826	19.48	17.15	27.45	80.0	77.0	48.80	80.4
	7.45	21.895	19.59	17.25	27.55	79.9	76.9	48.92	80.3
	8.00	21.895	19.64	17.31	27.66	79.9	76.9	49.00	80.2
	8.15	21.963	19.69	17.40	27.72	79.8	76.8	48.90	80.1
	8.30	21.619	19.48	17.53	27.78	80.0	76.8	48.85	80.1
	8.45	21.551	19.48	17.58	27.82	80.0	76.7	48.84	80.1
	9.00	21.345	19.17	17.65	28.05	80.0	76.8	48.84	80.2
	9.15	21.208	19.07	17.68	28.16	80.0	76.7	48.85	80.2
	9.30	21.139	18.96	17.75	28.25	80.0	76.7	48.85	80.2
	9.45	21.139	18.96	17.82	28.30	79.9	76.6	48.85	80.1
	10.00	21.071	18.96	17.85	28.36	79.8	76·6	48.85	80.0
	10.15	20.933	18.86	17.90	28.42	89.8	76.4	48.86	80.0
	10.30	20.796	18.76	17.94	28.50	79.8	76.3	48.86	79.9
	10.45	20.659	18.55	17.95	28.52	79.7	76.2	48.87	79.9
	11.00	20.590	18.44	17.98	28.56	79.7	76.1	48.88	79.8
	11.15	20.590	18.44	17.98	28.56	79.7	76.1	48.90	79.8
	11.30	20.453	18.44	17.99	28.56	79.6	76.0	48.90	79.7
	11.45	20.316	18.34	17.97	28.55	79.5	76.0	48.92	79.7
	12.00	20.316	18.34	17.97	28.55	79.5	76.0	48.94	79.7
	12.15	20·453	18.34	17.99	28.56	79.4	75.9	48.96	79.6
	12.30	20.453	18.34	18·04	28.56	79·4	75·9	48.96	79.6
	12.45	20.385	18.50	18.02	28.55	79.1	75.9	48.98	79.5
	13.00	20.316	17·98	18.08	28.70	79.0	75.9	48.70	79.3
	13.15	20.453	18.24	18.07	28.72	79.0	75.8	48.75	79.3
	13.30	20.385	18.03	18.09	28.75	79.0	75.8	48.82	79.2
	13.45	20.316	18.13	18.18	28.84	78.9	75.7	48.82	79.1
	14.00	20.316	18.08	18.22	28.90	78.8	75.6	48.79	79.1
	14.15	20.316	18.03	18.28	28.95	78.8	75.6	48.52	79.0
	14.30	20.042	17.65	18.30	29.10	78.8	75.4	48.53	79.0
	14.45	19.699	17.47	18.31	29.25	78.9	75.5	48.55	79.0
	15.00	19.424	17.29	18.34	29.30	78.9	75.5	48.50	79.0
	15.15	19.836	17.65	18.40	29.40	79.0	75.5	48.57	79.0
	15.30	19.836	17.60	18·50	29.54	79.4	75.5	48.60	79.0
	15.45	19.767	17.60	18·55	29.63	79.8	75.5	48.60	79.1
	16.00	20.042	17.65	18·55	29.63	79.9	75.6	48.60	79.1
	16.15	20.453	18.03	18·57	29.64	80.2	75.6	48.64	79.2
	16.30	20.590	18.29	18.55	29.70	80.3	75.6	48.62	79.4
	16.45	21.415	19.17	18·60	29.90	80.9	75.7	48.54	79.7
	17.00	21.619	19.48	18·61	29.95	81.0	75.8	48.50	79.9
	17.15	21.758	19.58	18.66	30.02	81.2	75.9	48.40	80.0
	17.30	22.032	19·48	18·64	30.06	81.8	75.8	48.35	80.1
	18.00	22.101	19.69	18.65	30.12	82.0	76.0	48.20	80.5
	18.45	21.415	19.17	18.66	30.20	83.0	76.7	47.90	81.0
	19.00	21.139	19.07	18.68	30.22	83.1	76.8	47.85	81.2
	19.30	20.933	18.55	18.64	30.20	83.5	77.0	47.83	81.5
	20.00	21.071	19.12	18.52	30.06	83.6	77.6	47.90	82.0
	20·30	21.071	18.86	18.49	30.03	83.4	77.6	47.95	82.0
	21.00	21.139	19.07	18.37	29.88	83.5	77.9	47.95	82.1
	21.30	21.415	19.28	18.36	29.76	83.6	78.0	47.92	82.3
	22.00	21.139	19.02	18.17	29.66	83.6	78.1	47.90	82.3
	22.30	21.139	19.02	18.08	29.49	83.4	78.3	47.92	82.4
	23.00	21.345	19.28	18.01	29.38	83.1	78.5	48.00	82.4
	23.30	21.208	19·28	18.00	29.25	82.8	78.3	48.02	82.3
Dec. 6th.	0.00	21.071	19.02	18.01	29.22	82.3	78.1	48.00	82.0
	0.30	20.933	18.76	18.09	29.20	81.8	78.1	47.98	81.8
	1.00	20.522	18.34	18.10	29.10	81.1	78.0	47.95	81.4

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

MAGNETICAL OBSERVATIONS.

1858.

BOMBAY MAGNETICAL OBSERVATIONS.

MAGNETICAL RESULTS.

UNDER this head are comprised the five Magnetic Elements :—

1st.—DECLINATION.
2nd.—HORIZONTAL FORCE.
3rd.—VERTICAL FORCE.
4th.—DIP OR INCLINATION.
5th.—TOTAL FORCE.

From the mean absolute values of these five elements, the Summary of the Results and the necessary data for the Disturbance Calculations have been principally extracted.

Observations of Inclinations were made twice a week, and the Observations of the Absolute Horizontal Force, as deduced from the Deflection Observations, were made generally once a week during this year.

From the peculiar position of the large Declinometer with reference to the Transit Instrument, each observation becomes an absolute determination of Declination.

By means of the absolute determinations of Dip and Horizontal Force, the mean values obtained from the Scale Readings of Horizontal Force and Vertical Force Magnetometer were duly corrected and registered in the Results; from the values thus corrected, were calculated the Dip (deduced) and total Intensity.

Disturbance, or Abnormal Days, were scrupulously thrown out in finding the hourly and monthly mean values of each Element.

DECLINATION.

TABLE I.—*Mean Value of Absolute Declination, as obtained by Large Declination Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	20'467	19'770	20'459*			19'304	19'999	19'273	17'801	19'971		20'224
2		19·813	20·465	20'370	20'072	19·664	19·882	18·498	19·613		20'553	20·513
3	19·639	20·176	20·425		20·119	19·236		18·803	19·256	19·399	20·573	20·356
4	20·215	19·753	20·285	20·102	19·939	20·070	19·307	18·653		19·253	20·551	
5	19·949	19·596	20·330	19·910	19·819		20·938	18·458	19·297	19·280		21·271
6	20·033			19·875	19·552	20·170	20·313	18·623	19·123	19·542		21·066
7	20·050	19·741	19·887	19·890	20·202*	19·956	19·679		19·555	19·739	20·409	20·819
8	19·943*	19·418	20·316	19·693	20·466*	20·007	19·847	18·855	19·495	19·842	20·084	20·591
9	21·101*	19·899	19·696	22·308*		20·019	19·561	18·274	20·032		20·053	20·293
10		19·578	19·517	21·551*	19·945	19·702		18·791	20·162	19·942	20·605	20·937
11	20·572	19·644	19·501		19·996	19·656	19·478	18·732		19·389	20·292	
12	20·382	19·487	19·907*	20·573	20·756		18·710	18·675	19·053	19·276	20·167	20·828
13	20·782		21·025*	20·525	19·658	19·489	18·974	18·970	18·981	19·571		20·894
14	20·276	20·182		20·745	19·707	19·496	18·701		19·138	19·290	20·385	20·874
15	19·873	20·196	20·751	20·196		19·741	19·002	18·414	18·993	19·293	20·468	20·588
16		19.963	20·268	20·196	19·404	19·519	18·505	19·093	19·172		20·453	20·463
17	20·100	20·388	20·488		19·790	19·715		18·892	19·373	19·545	20·606	20·390
18	20·012	20·180	20·236	20·310	19·641	19·696	18·287	19·189		19·816	20·881	
19	20·459	20·350	20·396	20·177	19·690		18·411	18·531	19·462	19·982	20·819	20·725
20	19·977			20·050	19·176	20·087	18·641	18·684	19·668*	20·256		20·490
21	20·147	20·127	20·459	20·602	18·854	19·916	18·642		19·550*	20·305	20·368	20·590
22	19·499	19·776	20·156	20·305		19·847	18·312		19·863*	20·270	20·245	20·397
23		19·284	19·951	20·113		20·336*	18·264	18·738	19·763		19·842	20·894
24	19·354	19·381	19·927		19·707	20·239*		19·007	19·639*	19·764	20·230	
25	19·961		19·527	19·832	19·673	20·182	19·015	19·127		20·139	20·242	
26	19·398	19·504	19·659	19·756	19·332		18·898	19·390	19·519	20·423	20·516	20·971
27	19·853	19·882		19·682	19·966	20·102	18·318	19·499	19·321	20·056	19·927	20·553
28	19·550		20·320*	20·042	19·584	19·741	18·547	19·567	19·321	21·188		20·582
29	19·519		20·328*	20·050	19·795	19·630	18·521		18·901	20·822	20·090	20·666
30			20·499	20·066		19·067	18·738	19·299	19·310		20·022	21·084
31	19·667		20·442		19·393			18·104				

* This sign denotes an Abnormal day, or the day on which the Magnetic Disturbance occurred.

TABLE II —*Showing, for each Month, the Mean Value of Absolute Easterly Diclination, and its Periodic Changes from the Mean of the Year, as obtained from the Scale Readings of Large Declination Magnetometer.*

Months, 1858.	Mean Value of Easterly Declination in Arc.	Difference from the Mean of the Year.	FOR SEASONS.
January	0°19'989	0°186	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter .. 20°139
February	·19·839	·036	
March	·20·145	·342	
April	·20·133	·330	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer .. 19·467
May	·19·731	– ·072	
June	·19·750	– ·083	Mean of the year .... 19·803
July	·19·060	– ·743	
August	·18·830	– ·973	
September	·19·302	– ·501	Greatest monthly mean, in December ..... 20·658
October	·19·854	·051	Least monthly mean, in August ..... 18·830
November	·20·349	·546	
December.....	·20·658	·855	Difference ..... 1·828

TABLE III.—*Mean Value of Absolute Declination in Arc, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1858. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Bombay Civil Time.
													H. M.
Noon.	19·764	19·979	20·100	20·104	19·320	19·158	18·259	19·054	19·615	19·771	20·331	20·731	4 12 P.M.
1	19·804	19·752	19·855	20·340	19·673	19·491	18·886	19·391	19·683	19·447	20·116	20·342	5 12 „
2	19·883	19·594	19·750	20·104	19·732	19·627	19·108	19·062	19·186	19·380	20·319	20·542	6 12 „
3	20·040	19·871	19·907	19·808	19·368	19·541	18·675	18·575	19·187	19·729	20·533	20·799	7 12 „
4	19·990	19·878	19·914	19·393	19·444	19·397	18·680	18·659	19·128	19·771	20·478	20·894	8 12 „
5	20·026	19·952	19·992	19·949	19·573	19·556	18·836	18·749	19·159	19·869	20·608	20·800	9 12 „
6	20·092	19·913	20·070	20·392	19·638	19·673	18·984	18·853	19·250	19·993	20·633	20·834	10 12 „
7	20·102	19·970	20·366	20·263	19·741	19·864	19·211	18·955	19·389	20·057	20·690	20·948	11 12 „
8	20·199	20·025	20·316	20·373	19·881	20·122	19·333	19·024	19·493	20·133	20·761	20·922	Midnight.
9	19·996	20·049	20·205	20·525	20·036	20·122	19·530	19·106	19·599	20·149	20·613	20·765	1 12 A.M.
10	19·976	19·913	20·085	20·447	20·039	20·180	19·614	19·345	19·674	20·110	20·465	20·659	2 12 „
11	19·804	19·826	20·025	20·364	20·019	20·145	19·601	19·497	19·677	19·923	20·260	20·510	3 12 „
12	19·604	19·523	19·870	20·294	20·030	20·185	19·788	19·545	19·571	19·675	19·967	20·327	4 12 „
13	19·261	19·526	19·727	20·394	20·373	20·540	20·027	19·860	19·718	19·373	19·892	20·016	5 12 „
14	19·080	19·333	20·039	20·148	21·623	21·566	21·037	21·054	20·834	19·842	19·596	20·069	6 12 „
15	18·996	19·466	20·860	22·096	22·423	22·175	21·760	21·713	21·972	20·669	19·579	20·023	7 12 „
16	19·919	20·187	21·697	22·213	22·371	21·980	21·506	21·145	21·788	21·414	20·264	20·894	8 12 „
17	21·182	20·671	22·077	21·546	21·215	21·108	20·254	19·289	20·687	21·387	20·696	21·714	9 12 „
18	21·134	20·471	21·486	20·275	19·442	19·858	18·704	17·517	19·046	20·403	20·568	21·360	10 12 „
19	20·153	19·752	20·276	19·036	18·037	18·515	17·366	16·255	17·358	19·293	19·953	20·535	11 12 „
20	19·953	19·212	19·122	17·950	17·402	17·817	16·709	15·717	16·322	18·606	20·119	20·165	Noon.
21	20·462	19·573	18·685	17·788	17·616	17·475	16·759	16·231	16·592	18·697	20·671	20·445	1 12 P.M.
22	20·342	19·866	19·227	18·503	17·942	17·684	17·152	17·147	17·600	19·244	20·637	20·707	2 12 „
23	19·927	19·916	19·805	19·348	18·637	18·249	17·712	18·164	18·858	19·594	20·562	20·788	3 12 „
Diurnal Range.	2·186	1·459	3·392	4·425	5·021	4·700	5·051	5·996	5·650	2·808	1·182	1·698	

TABLE IV.—*Showing, for the Year* 1858, *the Mean Value of Absolute Declination in Arc, for each Hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Absolute Easterly Declination.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4 12 P. M.	19·682	−0·118
1	5 12 „	·732	− ·068
2	6 12 „	·691	− ·109
3	7 12 „	·674	− ·126
4	8 12 „	·677	− ·123
5	9 12 „	·756	− ·044
6	10 12 „	·860	·060
7	11 12 „	·947	·147
8	0 12 A. M.	20·048	·248
9	1 12 „	·058	·258
10	2 12 „	·042	·242
11	3 12 „	19·971	·171
12	4 12 „	·865	·065
13	5 12 „	·892	·092
14	6 12 „	20·352	·552
15	7 12 „	·978	1·178
16	8 12 „	21·281	·481
17	9 12 „	20·985	·185
18	10 12 „	·022	0·222
19	11 12 „	18·878	− ·922
20	0 12 P. M.	·258	−1·542
21	1 12 „	·416	− ·384
22	2 12 „	·838	−0·962
23	3 12 „	19·297	− ·503

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night ..... 19·874

Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day ..... 19·726

Mean..... 19·800

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T. B.C.T.
A maximum at about	1 or 5 P.M.
A minimum at about	3 or 7 P.M.
A maximum at about	9 or 1 A.M.
A minimum at about	12 or 4 A.M.
A maximum at about	16 or 8 A.M.
A minimum at about	20 or Noon.

TABLE V.—*Excess of the Mean Hourly Value of Absolute Declination above the Monthly Mean.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	-0·225	0·140	-0·045	-0·029	-0·411	-0·592	-0·801	0·224	0·313	0·083	-0·018	0·073	4 12 P. M.
1	-0·125	-0·087	-0·290	0·207	-0·058	-0·259	-0·174	0·561	0·379	-0·407	-0·233	-0·316	5 12 „
2	-0·106	-0·245	-0·395	-0·029	0·001	-0·123	-0·048	0·232	-0·116	-0·474	-0·030	-0·116	6 12 „
3	0·051	0·032	-0·238	-0·325	-0·363	-0·209	-0·385	-0·255	-0·115	-0·125	0·234	0·141	7 12 „
4	0·001	0·039	-0·231	-0·240	-0·287	-0·353	-0·380	-0·171	-0·174	-0·083	0·129	0·236	8 12 „
5	0·037	0·113	-0·153	-0·184	-0·158	-0·194	-0·224	-0·031	-0·143	0·015	0·259	0·142	9 12 „
6	0·103	0·074	-0·075	0·259	-0·093	-0·077	-0·076	0·023	-0·052	0·149	0·284	0·176	10 12 „
7	0·113	0·131	0·221	0·135	0·010	0 114	0·151	0·125	0·087	0·203	0·341	0·290	11 12 „
8	0·210	0·186	0·171	0·240	0·150	0·372	0·273	0·194	0·191	0·270	0·412	0·264	Midnight.
9	0·007	0·210	0·060	0·392	0·305	0·372	0·470	0·276	0·297	0·295	0·264	0·107	1 12 A. M.
10	-0·013	0·074	-0·060	0·314	0·308	0·430	0·554	0·515	0·372	0·256	0·116	0·001	2 12 „
11	-0·185	-0·018	-0·120	0·231	0·288	0·395	0·541	0·667	0·375	0·069	-0·089	-0·148	3 12 „
12	-0·385	-0·316	-0·275	0·161	0·299	0·435	0·728	0·715	0·269	-0·179	-0·382	-0·331	4 12 „
13	-0·728	-0·313	-0·418	0·261	0·642	0·790	0·967	1·030	0·416	-0·481	-0·457	-0·642	5 12 „
14	-0·909	-0·506	-0·106	1·015	1·892	1·816	1·977	2·224	1·532	-0·012	-0·753	-0·589	6 12 „
15	-0·993	-0·373	0·715	1·963	2·692	2·425	2·700	2·883	2·670	0·814	-0·770	-0·635	7 12 „
16	-0·070	0·348	1·552	2·080	2·640	2·230	2 446	2·315	2·486	1·560	-0·085	0·236	8 12 „
17	1·193	0·832	1·927	1·413	1·484	1·358	1·194	0·459	1·385	1·533	0·347	1·056	9 12 „
18	1·145	0·632	1·341	0·142	-0·289	0·108	-0·356	-1·313	-0·256	0·549	0·219	0·702	10 12 „
19	0·164	-0·087	0·131	-1·097	-1·694	-1·245	-1·694	-2·575	-1·944	-0·561	-0·396	-0·123	11 12 „
20	-0·036	-0·627	-1·023	-2·183	-2·329	-1·833	-2·351	-3·113	-2·980	-1·248	-0·230	-0·493	Noon.
21	0·473	-0·266	-1·460	-2·345	-2·115	-2·275	-2·301	-2·599	-2·710	-1·157	0·322	-0·213	1 12 P. M.
22	0·353	0·027	-0·918	-1·630	-1·789	-2·066	-1·903	-1·683	-1·702	-0·610	0·288	0·049	2 12 „
23	-0·062	0·077	-0·340	-0·785	-1·094	-1·591	-1·348	-0·676	-0·444	-0·260	0 213	0·130	3 12 „

TABLE VI.—*Showing, for the Year* 1858, *the Hours of Göttingen Mean Solar Time about which the Mean Value of Absolute (Easterly) Declination, in each Month, was at its Maxima and Minima.*

Months, 1858.	The Mean Hourly Declination at its								Mean Diurnal Range.	The Time at which the Mean Hourly Declination was at its							
	1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Mid-day Minimum.		1st Evening Maximum.	1st Evening Minimum.	2nd Evening Maximum.	2nd Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Mid-day Minimum.
										H	H	H	H	H	H	H	H
January	20·462	19·764	20·040	19·990	20·199	18·996	21·182	19·953	2·186	21	0	3	4	8	15	17	20
February	19·979	19·594	19·952	19·913	20·049	19·333	20·671	19·212	1·459	0	2	5	6	9	14	17	20
March	20·100	19·750			20·366	19·727	22·077	18·685	3·392	0	2			7	13	17	21
April	20·340	19·808	20·392	20·268	20·525	20·148	22·213	17·788	4·425	1	3	6	7	9	14	16	21
May	19·732	19·368			20·039	20·019	22·423	17·402	5·021	2	3			10	11	15	20
June	19·627	19·397			20·180	20·145	22·175	17·475	4·700	2	4			10	11	15	21
July	19·108	18·675			19·614	19·601	21·760	16·709	5·051	2	3			10	11	15	20
August	19·391	18·575					21·713	15·717	5·996	1	3					15	20
September....	19·683	19·128			19·677	19·571	21·972	16·322	5·650	1	4			11	12	15	20
October.....	19·771	19·380			20·149	19·373	21·414	18·606	2·808	0	2			9	13	16	20
November....	20·671	20·116	20·583	20·478	20·761	19·579	20·696	19·953	1·182	21	1	3	4	8	15	17	19
December....	20·788	20·342	20·894	20·800	20·948	20·016	21·714	20·165	1·549	23	1	4	5	7	13	17	20
For Winter, or.. { Jan. Feb. March .. / Oct. Nov. Dec. .. }									2·096	23	1	4	5	8	14	17	20
For Summer, or.. { April, May, June .. / July, Aug. Sept. .. }									5·140	1&2	3	6	7	10	12	15	20

It appears from this table that the marked end of the Declination Magnet, during this year, has reached its extreme easterly position at its morning maxima, except in November, in which month it took its extreme position at about 8h.; this fact nearly coincides with the results of the preceding years. The times of maxima and minima vary according to the seasons of the year.

TABLE VII.—*Showing the Greatest and Least Values of Absolute Easterly Declination, in Simple Hourly Observations during the Year* 1858.

Months, 1858.	Greatest Declination in Arc.				Least Declination in Arc.			
	Date and Hour.	Absolute Declination Greatest.	Normal Mean.	Difference.	Date and Hour.	Absolute Declination Least.	Normal Mean.	Difference.
	D. H.				D. H.			
January	6–17	0°24′226	0°20′753	0°3′473	8–12	0°16′612	0°19′326	−0°2′714
February	27–17	23·473	21·280	2·193	16–20	16·955	19·206	− 2·251
March	12–17	24·363	21·936	2·427	26–20	17·023	18·693	− 1·670
April	9–14	26·766	20·126	6·640	9–20	16·269	18·184	1·915
May	11–15	23·609	22·379	1·230	31–21	15·788	17·546	1.758
June	6–15	23·404	22·249	1·155	30–22	14·004	17·417	3·413
July	5–15	24·295	21·898	2·397	29–19	14·897	16·811	1·914
August	25–15	23·473	21·799	1·674	9–20	13·386	15·915	2·529
September	23–16	24·021	21·688	2·333	6–20	14·347	16·141	1·794
October	28–22	24·510	19·847	4·723	3–20	15·583	17·693	2·110
November	19– 3	23·060	20·248	2·812	27–19	17·366	20·186	2·820
December	30–17	23·746	22·133	1·613	9–20	18·670	20·156	1·486

TABLE VIII.—*Daily Range of Absolute Declination, as obtained from the Hourly Scale Readings of Large Declinometer, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	2′127	2′607	3′088			6′587	6′106	6′175	4′528	4′321		1′441
2		2·607	2·401	2′814	3′843	4·870	5·284	4·390	6·381		2′675	1·578
3	3·019	2·949	3·363		4·254	3·498		5·352	5·969	6·518	1·783	1·235
4	1·784	2·126	3·499	5·419	4·598	5·625	4·666	5·214		5·625	1·991	
5	3·499	1·715	3·224	4·735	5·009		6·380	5·213	6·038	5·557		3·430
6	6·037			4·665	5·970	5·420	5·694	5·214	9·332	4·255		2·265
7	4·117	2·607	3·500	4·528	5·489	4·116	3·978		5·213	2·263	3·088	2·950
8	6·242	1·920	3·362	2·881	4·939	5·009	4·939	5·488	4·598	2·607	2·677	2·402
9	3·156	2·744	3·980	10·635		3·705	5·145	8·511	6·038		3·293	4·498
10		2·127	2·881	8·302	5·627	4·528		6·518	4·184	4·598	3·637	2·745
11	3·567	2·538	2·881		7·409	3·910	4·939	7·272		4·598	3·019	
12	3·020	1·647	6·174	3·911	4·596		4·940	6·312	6·910	3·420	2·195	2·059
13	3·979		4·596	5·629	6·244	4·253	5·076	5·282	7·273	2·264		2·677
14	4·392	2·265		3·910	5·145	5·076	4·802		5·626	3·568	2·029	2·127
15	4·254	2·881	4·459	4·596		4·803	5·419	6·654	6·313	3·499	2·814	2·469
16		4·527	5·009	5·442	5·214	5·693	6·381	6·381	5·352		2·882	2·195
17	2·675	2·950	4·665		4·666	4·195		7·273	5·558	3·637	2·538	3·293
18	2·607	2·538	3·567	3·499	5·350	5·076	4·185	5·008		2·991	3·094	
19	4·323	1·921	5·145	4·117	4·322		4·116	5·351	4·117	3·224	4·459	2·402
20	1·647			3·363	6·449	4·117	4·322	7·271	5·420	2,471		1·783.
21	2·197	2·882	5·077	3·637	5·488	4·597	5·076		5·694	2·738	2·283	2·264
22	2·058	2·745	4·186	5·214		3·773	6·284		6·999	3·087	2·565	2·675
23		2·195	3·361	5·763		4·803	6·174	6·793	7·752		2·470	2·882
24	2·881	2·813	3·156		6·175	5·557		6·586	5·831	3·705	1·303	
25	3·224		3·773	5·112	6·311	5·283	5·832	7·890		3·637	1·646	
26	3·842	4·254	5·009	6·174	5·420		6·380	7·616	6·518	1·715	1·509	2·881
27	3·363	5·489		6·174	4·460	6·105	5·488	4·597	6·448	7·477	3·979	3·978
28	2·812		3·157	4·733	4·872	5·145	5·899	5·763	6·517	4·597		3·361
29	3·637		4·872	4·872	5·621	6·655	6·448		7·340	1·519	1·578	3·361
30			5·156	5·626		8·440	7·135	6·655	5·146		1·441	3·704
31	2·883		3·500		6·586			5·615				

TABLE IX.—*Mean Value of Absolute Horizontal Intensity, as obtained from the Scale Readings of Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	8·0164	8·0282	8·0127*			8·0335	8·0200	8·0255	8·0233	8·0243		8·0310
2		·0198	·0158	8·0256	8·0358	·0317	·0239	·0253	·0275		8·0283	·0322
3	·0206	·0159	·0216		·0361	·0304		·0279	·0278	·0257	·0258	·0314
4	·0199	·0191	·0239	·0278	·0379	·0269	·0243	·0273		·0270	·0301	
5	·0204	·0200	·0231	·0276	·0341		·0195	·0290	·0325	·0277		·0058*
6	·0180			·0307	·0362	·0252	·0184	·0259	·0340	·0215		·0203
7	·0192	·0210	·0231	·0329	·0273*	·0275	·0246		·0303	·0247	·0341	·0238
8	·0043*	·0233	·0236	·0328	·0184*	·0295	·0267	·0292	·0268	·0255	·0358	·0300
9	7·9956*	·0238	·0262	7·9797*		·0296	·0258	·0298	·0269		·0343	·0299
10		·0238	·0260	·9959*	·0269	·0322		·0263	·0259	·0267	·0355	·0285
11	8·0121	·0248	·0300		·0285	·0328	·0282	·0297		·0305	·0381	
12	·0131	·0255	·0163*	8·0135	·0273		·0277	·0275	·0232	·0325	·0376	·0235
13	·0112		7·9993*	·0144	·0299	·0320	·0288	·0252	·0289	·0273		·0190
14	·0175	·0215		·0157	·0319	·0342	·0264		·0294	·0336	·0323	·0227
15	·0214	·0165	8·0160	·0195		·0346	·0217	·0301	·0285	·0354	·0288	·0269
16		·0130	·0169	·0208	·0333	·0393	·0252	·0248	·0314		·0332	·0282
17	·0118	·0148	·0181		·0288	·0366		·0277	·0308	·0295	·0366	·0303
18	·0154	·0194	·0221	·0278	·0269	·0365	·0289	·0263		·0226	·0284	
19	·0177	·0221	·0199	·0301	·0327		·0298	·0294	·0175	·0219	·0231	·0286
20	·0186			·0306	·0379	·0258	·0251	·0322	·0149*	·0246		·0293
21	·0184	·0247	·0275	·0246	·0395	·0277	·0296		·0168*	·0248	·0335	·0303
22	·0240	·0265	·0265	·0294		·0299	·0300		·0176*	·0278	·0364	·0227
23		·0277	·0336	·0275		·0134*	·0329	·0276	·0239		·0390	·0177
24	·0265	·0272	·0318		·0218	·0114*		·0262	·0209*	·0318	·0348	
25	·0232		·0317	·0311	·0263	·0173	·0296	·0242		·0348	·0309	
26	·0211	·0286	·0291	·0319	·0325		·0240	·0237*	·0241	·0300	·0270	·0230
27	·0230	·0281		·0315	·0289	·0223	·0235	·0270	·0274	·0172	·0269	·0245
28	·0131		·0193*	·0267	·0316	·0238	·0221	·0281	·0310	·0184		·0294
29	·0277		·0089*	·0301	·0295	·0281	·0226		·0334	·0205	·0336	·0218
30			·0206	·0332		·0230	·0242	·0249	·0321		·0332	·0252
31	·0274		·0246		·0304			·0279				

* This sign denotes Abnormal days, or days on which Magnetic Disturbances occurred.

TABLE X.—*Showing, for each Month, the Mean Value of Absolute Horizontal Intensity, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Value of Absolute Horizontal Intensity.	Difference from the Mean of the Year.
	En. Un.	En. Un.
January	8·0192	−0·0074
February	·0224	− ·0042
March	·0242	− ·0024
April	·0268	·0002
May	·0315	·0049
June	·0296	·0030
July	·0255	− ·0011
August	·0274	·0008
September	·0280	·0014
October	·0267	·0001
November	·0314	·0048
December	·0262	− ·0004

FOR SEASONS.

	En. Un.
Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter ..	8·0250
Mean of { April, May, June, July, Aug. Sept. } or Summer..	8·0281
Mean of the year	8·0266
Greatest monthly mean, in May.....	8·0315
Least monthly mean, in January	8·0192
Difference....	0·0123

TABLE XI.—*Mean Value of Absolute Horizontal Intensity, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	8·0207	8·0244	8·0235	8·0264	8·0305	8·0268	8·0242	8·0265	8·0273	8·0272	8·0299	8·0266	4 12 P.M
1	·0182	·0221	·0219	·0232	·0279	·0255	·0218	·0244	·0248	·0248	·0274	·0252	5 12 ,,
2	·0164	·0191	·0205	·0219	·0256	·0239	·0206	·0233	·0238	·0221	·0247	·0226	6 12 ,,
3	·0149	·0168	·0179	·0204	·0241	·0227	·0196	·0217	·0227	·0198	·0237	·0205	7 12 ,,
4	·0141	·0164	·0177	·0208	·0241	·0230	·0194	·0212	·0221	·0185	·0231	·0194	8 12 ,,
5	·0134	·0158	·0165	·0210	·0252	·0237	·0194	·0212	·0219	·0180	·0223	·0184	9 12 ,,
6	·0133	·0153	·0263	·0211	·0257	·0244	·0197	·0218	·0223	·0189	·0225	·0188	10 12 ,,
7	·0134	·0160	·0176	·0212	·0267	·0246	·0204	·0221	·0235	·0205	·0251	·0196	11 12 ,,
8	·0137	·0174	·0174	·0219	·0267	·0253	·0207	·0229	·0229	·0221	·0256	·0201	Midnight.
9	·0148	·0177	·0172	·0224	·0267	·0259	·0215	·0230	·0229	·0219	·0262	·0219	1 12 A.M.
10	·0145	·0183	·0172	·0229	·0267	·0259	·0216	·0227	·0229	·0227	·0267	·0218	2 12 ,,
11	·0146	·0179	·0179	·0227	·0271	·0265	·0216	·0236	·0232	·0231	·0272	·0220	3 12 ,,
12	·0158	·0188	·0179	·0225	·0272	·0267	·0222	·0241	·0238	·0231	·0274	·0220	4 12 ,,
13	·0164	·0180	·0184	·0224	·0277	·0267	·0226	·0248	·0244	·0238	·0283	·0234	5 12 ,,
14	·0168	·0193	·0197	·0222	·0280	·0276	·0236	·0250	·0242	·0233	·0300	·0240	6 12 ,,
15	·0176	·0207	·0213	·0228	·0304	·0302	·0257	·0264	·0245	·0228	·0322	·0247	7 12 ,,
16	·0211	·0228	·0269	·0283	·0351	·0341	·0291	·0303	·0300	·0277	·0371	·0292	8 12 ,,
17	·0252	·0283	·0344	·0344	·0404	·0380	·0331	·0346	·0354	·0345	·0414	·0334	9 12 ,,
18	·0299	·0326	·0396	·0394	·0441	·0406	·0367	·0380	·0402	·0394	·0450	·0371	10 12 ,,
19	·0324	·0351	·0418	·0413	·0450	·0410	·0382	·0410	·0426	·0420	·0486	·0387	11 12 ,,
20	·0318	·0349	·0399	·0402	·0441	·0398	·0366	·0403	·0422	·0417	·0460	·0386	Noon.
21	·0292	·0327	·0364	·0384	·0418	·0383	·0350	·0361	·0388	·0377	·0416	·0359	1 12 P.M.
22	·0253	·0300	·0325	·0342	·0385	·0318	·0314	·0335	·0347	·0334	·0376	·0331	2 12 ,,
23	·0244	·0271	·0290	·0302	·0354	·0317	·0277	·0297	·0306	·0296	·0340	·0302	3 12 ,,

TABLE XII.—*Showing, for the Year* 1858, *the Mean Values of Absolute Horizontal Intensity, corrected for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Horizontal Intensity corrected.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·0262	−0·0003
1	5 12 ,,	·0239	− ·0026
2	6 12 ,,	·0220	− ·0045
3	7 12 ,,	·0204	− ·0061
4	8 12 ,,	·0200	− ·0065
5	9 12 ,,	·0197	− ·0068
6	10 12 ,,	·0200	− ·0065
7	11 12 ,,	·0209	− ·0056
8	0 12 A. M.	·0214	− ·0051
9	1 12 ,,	·0218	− ·0047
10	2 12 ,,	·0220	− ·0045
11	3 12 ,,	·0223	− ·0042
12	4 12 ,,	·0226	− ·0039
13	5 12 ,,	·0231	− ·0034
14	6 12 ,,	·0236	− ·0029
15	7 12 ,,	·0249	− ·0016
16	8 12 ,,	·0293	·0028
17	9 12 ,,	·0344	·0079
18	10 12 ,,	·0385	·0120
19	11 12 ,,	·0406	·0141
20	0 12 P. M.	·0397	·0132
21	1 12 ,,	·0368	·0103
22	2 12 ,,	·0330	·0065
23	3 12 ,,	·0300	·0035

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night	8·0213
Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day	8·0317
Mean.....	8·0265

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A Minimum at about	5 or	9 P. M.
A Maximum at about	19 or	11 A. M.

TABLE XIII.—*Excess of Mean Hourly Value of Absolute Horizontal Force above the Monthly Mean Value.*

Göttingen Mean Solar Time.	MONTHS, 1857.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	0·0015	0·0020	−0·0007	−0·0004	−0·0010	0·0051	−0·0013	−0·0009	−0·0007	0·0005	−0·0015	0·0004	4 12 P.M.
1	− ·0010	− ·0003	− ·0023	− ·0036	− ·0036	·0001	− ·0037	− ·0030	− ·0032	− ·0019	− ·0040	− ·0010	5 12 „
2	− ·0028	·0003	− ·0037	− ·0049	− ·0059	− ·0003	− ·0049	− ·0041	− ·0042	− ·0046	− ·0067	− ·0036	6 12 „
3	− ·0043	− ·0017	− ·0063	− ·0064	− ·0074	− ·0032	− ·0059	− ·0057	− ·0053	− ·0069	− ·0077	− ·0057	7 12 „
4	− ·0051	− ·0060	− ·0065	− ·0060	− ·0074	− ·0066	− ·0061	− ·0062	− ·0059	− ·0082	− ·0083	− ·0068	8 12 „
5	− ·0058	− ·0031	− ·0077	− ·0058	− ·0063	− ·0059	− ·0061	− ·0062	− ·0061	− ·0087	− ·0091	− ·0078	9 12 „
6	− ·0059	·0003	− ·0079	− ·0057	− ·0058	− ·0052	− ·0058	− ·0056	− ·0057	− ·0078	− ·0089	− ·0074	10 12 „
7	− ·0058	·0014	− ·0066	− ·0056	− ·0048	− ·0055	− ·0051	− ·0053	− ·0045	− ·0062	− ·0063	− ·0066	11 12 „
8	− ·0055	− ·0050	− ·0068	− ·0049	− ·0048	− ·0043	− ·0048	− ·0045	− ·0053	− ·0046	− ·0058	− ·0061	Midnight
9	− ·0044	− ·0047	− ·0070	− ·0044	− ·0048	− ·0037	− ·0040	− ·0044	− ·0051	− ·0048	− ·0052	− ·0043	1 12 A.M.
10	− ·0047	− ·0041	− ·0070	− ·0039	− ·0048	− ·0037	− ·0043	− ·0047	− ·0051	− ·0040	− ·0047	− ·0044	2 12 „
11	− ·0046	− ·0045	− ·0063	− ·0041	− ·0046	− ·0031	− ·0039	− ·0038	− ·0048	− ·0036	− ·0042	− ·0042	3 12 „
12	− ·0034	− ·0036	− ·0063	− ·0043	− ·0043	− ·0029	− ·0027	− ·0033	− ·0042	− ·0036	− ·0040	− ·0042	4 12 „
13	− ·0028	− ·0044	− ·0058	− ·0044	− ·0038	− ·0029	− ·0029	− ·0026	− ·0036	− ·0029	− ·0031	− ·0028	5 12 „
14	− ·0024	− ·0031	− ·0045	− ·0046	− ·0035	− ·0020	− ·0019	− ·0024	− ·0038	− ·0034	− ·0014	− ·0022	6 12 „
15	− ·0016	− ·0017	− ·0029	− ·0040	− ·0011	·0006	·0002	− ·0010	− ·0035	− ·0043	− ·0008	− ·0015	7 12 „
16	·0019	·0004	·0027	·0015	·0036	·0045	·0036	·0029	·0020	·0010	·0057	·0030	8 12 „
17	·0060	·0059	·0102	·0076	·0089	·0084	·0076	·0072	·0074	·0078	·0100	·0072	9 12 „
18	·0107	·0102	·0154	·0126	·0126	·0110	·0112	·0106	·0122	·0127	·0136	·0109	10 12 „
19	·0132	·0127	·0176	·0145	·0135	·0114	·0127	·0136	·0146	·0150	·0172	·0125	11 12 „
20	·0126	·0125	·0157	·0134	·0126	·0102	·0111	·0129	·0142	·0150	·0146	·0124	Noon.
21	·0100	·0103	·0122	·0116	·0103	·0087	·0095	·0087	·0108	·0110	·0102	·0097	1 P.M.
22	·0061	·0076	·0083	·0074	·0070	·0022	·0059	·0061	·0067	·0067	·0062	·0069	2 „
23	·0052	·0047	·0047	·0034	·0039	·0021	·0022	·0023	·0026	·0031	·0026	·0040	3 „

TABLE XIV.—*Showing, for the Year* 1858, *the Hours of Göttingen Mean Time, at which the Mean Value of Horizontal Intensity, corrected in each Month, was at its Maxima and Minima.*

Months, 1858.	The Mean Hourly Value of Horizontal Intensity corrected.				Mean Diurnal Range.	The Time at which the Mean Hourly Value of Horizontal Intensity was at its			
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H	H	H	H
January	8·0133	8·0148	8·0145	8·0324	0·0191	6	9	10	19
February	·0153	·0188	·0180	·0351	·0198	6	12	13	19
March	·0163	·0176	·0172	·0418	·0255	6	6	7	19
April	·0204	·0229	·0222	·0413	·0209	3	10	14	19
May	·0241			·0450	·0209	4			19
June	·0227			·0410	·0183	3			19
July	·0194			·0382	·0188	5			19
August	·0212	·0230	·0227	·0440	·0198	5	9	10	19
September	·0219	·0235	·0229	·0426	·0207	5	7	10	19
October	·0180	·0238	·0228	·0420	·0240	5	13	15	19
November	·0223			·0486	·0263	5			19
December	·0184			·0387	·0203	5			19

TABLE XV.—*Mean Temperature of Air by a Thermometer inserted in the Box of the Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	77°7	80°0	77°8*			85°3	85°0	81°6	82°9	82°3		80°3
2		80·6	77·0	83°1	88°4	84·4	85·5	81·5	82·6		83°1	79·5
3	77·8	79·6	77·9		87·9	85·2		81·3	83·4	84·6	82·7	79·6
4	76·6	77·3	78·5	84·2	87·6	86·4	86·1	81·3		84·3	82·2	
5	75·8	75·5	78·4	84·6	87·7		85·9	81·9	84·0	84·0		81·3
6	75·7			85·8	88·1	84·7	84·9	81·8	84·2	84·3		80·3
7	76·1	73·7	80·3	87·4	87·9*	85·1	83·1		84·1	84·6	83·1	78·3
8	75·3*	75·8	81·5	86·2	89·9*	86·2	82·5	82·2	83·4	84·8	83·2	78·7
9	75·2*	76·2	81·6	85·8*		86·6	82·6	82·1	83·6		83·1	79·3
10		76·8	80·1	85·6*	88·2	87·2		81·5	80·6	84·1	82·7	80·6
11	77·9	76·3	80·0		88·4	88·0	82·8	82·2		83·6	81·9	
12	79·7	75·8	81·6*	84·7	88·2		82·3	83·1	79·0	84·3	81·6	80·4
13	80·0		82·7*	84·5	87·9	88·6	81·2	83·0	80·2	84·0		80·3
14	81·1	76·8		84·0	87 8	89·0	81·7		81·4	83·9	81·3	80·2
15	80·6	77·8	83·1	84·1		89·1	81·1	83·1	81·9	83·8	81·4	79·2
16		78.0	83·2	84·6	86·4	88·8	81·0	83·1	82·7		81·1	79·1
17	77·3	78·7	82·1		86·5	88·8	82·5	83·0	82·4	83·9	80·6	77·6
18	75·6	77·3	81·8	85·3	86·3	88·2	82·5	82·9		83·4	80·8	
19	74 5	76·2	83·2	85·6	86·5		83·3	83·2	80·9	84·0	81·0	76·2
20	74·0			86·2	86·0	85·8	83·0	83·1	81·6*	83·5		77·3
21	72·9	79·3	83·7	87·1	86·9	85·1	83·2		81·2*	82·5	81·2	78·2
22	75·2	80·8	84·3	87·9		85·0	83·1		81·8*	83·4	81·6	78.7
23		81·0	84·4	88·2		84·3*	83·5	82·6	81·9		82·6	78·1
24	77·3	80·5	84·7		87·3	81·3*		81·8	82·5*	82·8	83·0	
25	73·7		84·9	86·9	87·7	81·9	82·2	82·1		82·0	84·0	
26	71·4	79·4	84·6	87·0	87·7		82·1	82·2*	82·1	82·2	84·0	79·2
27	72·2	78·5		85·7	88·1	83·6	81·1	82·9	82·5	82·9	83·1	79·6
28	74·6		81·9*	86·5	88·4	84·0	81·8	83·5	82·6	82·6		79·3
29	77·3		83·1*	87·4	87·2	83·2	81·9		82·6	83·0	81·7	76·9
30			83·3	88·5		83·5	82·5	82·1	82·3		80·9	77·7
31	79·3		83·0		86·3			82·0				

* This sign denotes the days of Magnetic Disturbance.

TABLE XVI.—*Showing, for each Month, the Mean Temperature of Air within the Box of the Large Horizontal Force, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Temperature of the Horizontal Force Thermometer.	Difference from the Mean of the Year.
January	76°4	− 5·9
February	77·9	− 4·4
March	81·9	− 0·4
April	85·9	3·6
May	87·5	5·2
June	86·0	3·7
July	82·9	0·6
August	82·3	0·0
September	82·3	0·0
October	83·6	1·3
November	82·2	− 0·1
December	78·9	− 3·4

FOR SEASONS.

Mean of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter .. 80°1

Mean of {Apr. May, June, / July, Aug. Sept.} or Summer .. 84·5

Mean of the year .... 82·3

Greatest monthly mean, in May ..... 87·5
Least monthly mean, in January ..... 76·4

Difference ..... 11·1

TABLE XVII.—*Mean Temperature of Air by the Attached Thermometer of Large Horizontal Force, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	80°1	81°4	84°3	88°2	89°6	87°6	84°2	83°8	83°8	86°1	85°5	82°2	4 12 P.M.
1	79·1	80·3	83·6	87·4	89·1	87·3	83·7	83·3	83·2	85·3	84·5	81·1	5 12 „
2	77·8	79·3	82·7	86·6	88·2	86·6	83·4	82·7	82·7	84·4	83·6	80·2	6 12 „
3	77·5	78·7	82·3	86·1	87·6	86·1	83·1	82·4	82·4	84·1	83·1	79·7	7 12 „
4	77·0	78·3	82·0	85·7	87·4	85·8	82·9	82·2	82·2	83·8	82·6	79·3	8 12 „
5	76·5	78·0	81·7	85·4	87·2	85·6	82·7	82·0	81·9	83·4	82·0	78·9	9 12 „
6	75·9	77·5	81·4	85·1	87·0	85·4	82.5	81·9	81·8	83·1	81·3	78·3	10 12 „
7	75·5	77·1	81·3	85·0	86·8	85·2	82·4	81·8	81·7	82·8	80·9	77·8	11 12 „
8	75·2	76·9	81·1	84·8	86·5	85·1	82·3	81·7	81·6	82·6	80·7	77·6	Midnight.
9	74·9	76·5	80·9	84·7	86·3	85·0	82·3	81·6	81·4	82·3	80·4	77·3	1 12 A.M.
10	74·6	76·3	80·1	84·5	86.1	84·9	82·1	81·4	81·3	82·2	80·2	77·1	2 12 „
11	74·2	76·0	80·4	84·3	86·0	84·8	81·9	81·3	81·1	81·9	80·0	76·8	3 12 „
12	73·9	75·7	80·1	84·0	85·8	84·6	81·8	81·2	81·0	81·8	79·7	76·5	4 12 „
13	73·6	75·2	79·9	83·7	85·7	84·4	81·8	81·2	81·0	81·5	79·5	76·2	5 12 „
14	73·3	75·0	79·6	83·5	85·7	84·3	81.7	81·1	80·9	81·2	79·2	75·9	6 12 „
15	73·1	74·7	79.4	83·6	85·9	84·5	81●	81·1	81·0	81·3	79·3	75·9	7 12 „
16	73·6	75·1	80·0	84·4	86·5	85·1	82·3	81·4	81·2	81·9	80·0	76·8	8 12 „
17	74·8	76·3	81·0	85·4	87·3	85·8	82·6	82·1	82·1	82·7●	80·9	77·9	9 12 „
18	76·3	77·9	82·2	86·6	88·0	86·5	83·2	82·6	82·8	83·8	82·2	79·3	10 12 „
19	77·7	79·3	83·2	87·5	88·6	87·3	83·7	83·3	83·4	84·7	83·6	80·5	11 12 „
20	78·8	80·4	83·9	88·1	89·1	87·8	84·0	83·9	83·9	85·5	84·9	81·6	Noon.
21	79·7	81·0	84·5	88·7	89·5	88·0	84·5	83·9	84·3	86·2	85·6	82·3	1 P.M.
22	80·4	81·4	84·7	88·8	89·7	88·1	84·6	84·1	84·5	86·5	86·1	82·8	2 „
23	80·5	81·5	84·7	88·8	89·6	88·1	84·4	84·1	84·3	86·5	86·0	82·7	3 „
Diurnal Range.	7·4	6·8	5·3	5·3	4·0	3·8	2·9	3·0	3·6	5·3	6·9	6·9	

TABLE XVIII.—*Showing, for the Year* 1858, *the Mean Temperature of Air within the Box of Large Horizontal Force Magnetometer, for each Hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Air within the Box of Horizontal Force.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4 12 P. M.	84°7	2°4
1	5 12 „	84·0	1·7
2	6 12 „	83·2	0·9
3	7 12 „	82·8	0·5
4	8 12 „	82.4	0·1
5	9 12 „	82·1	− 0·2
6	10 12 „	81·8	− 0·5
7	11 12 „	81·5	− 0·8
8	0 12 A. M.	81·3	− 1·0
9	1 12 „	81·1	− 1·2
10	2 12 „	80·9	− 1·4
11	3 12 „	80·7	− 1·6
12	4 12 „	80·5	− 1·8
13	5 12 „	80·3	− 2·0
14	6 12 „	80·1	− 2·2
15	7 12 „	80·1	− 2·2
16	8 12 „	80·7	− 1·6
17	9 12 „	81·6	− 0·7
18	10 12 „	82·6	0·3
19	11 12 „	83·6	1·3
20	0 12 P. M.	84·3	2·0
21	1 12 „	84·6	2·3
22	2 12 „	85·1	2·8
23	3 12 „	85·1	2·8

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night ..... 18°6

Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day ..... 83·0

Mean..... 82·3

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A minimum at about	14	or 6 A.M.
A maximum at about	22	or 2 P.M.

TABLE XIX.—*Excess of the Mean Hourly Temperature of the attached Thermometer of Large Horizontal Force above the Monthly Mean.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Noon.	3°7	3°5	2°4	2°3	2°1	1°6	1°3	1°4	1°5	2°5	3°8	3°3	4 12 P.M.
1	2·6	2·4	1·7	1·5	1·6	1·3	0·8	1·0	0·9	1·7	2·3	2·2	5 12 „
2	1·4	1·4	0·8	0·7	0·7	0·6	0·5	0·4	0·4	0·8	1·5	1·3	6 12 „
3	1·0	0·8	0·4	0·2	0·1	0·1	0·2	0·1	0·1	0·5	0·8	0·8	7 12 „
4	0·6	0·4	0·1	-0·2	-0·1	-0·2	0·0	-0·1	-0·1	0·2	0·5	0·3	8 12 „
5	0·1	0·1	-0·2	-0·5	-0·3	-0·4	-0·7	-0·3	-0·4	-0·2	-0·2	-0·1	9 12 „
6	-0·5	-0·4	-0·5	-0·8	-0·5	-0·6	-0·4	-0·4	-0·5	-0·5	-0·8	-0·6	10 12 „
7	-1·0	-0·8	-0·6	-0·9	-0·7	-0·8	-0·5	-0·5	-0·7	-0·8	-1·2	-1·1	11 12 „
8	-1·3	-1·1	-0·8	-1·1	-1·0	-0·9	-0·6	-0·6	-0·8	-1·0	-1·5	-1·3	Midnight.
9	-1·5	-1·5	-1·0	-1·2	-1·2	-1·0	-0·6	-0·7	-0·9	-1·2	-1·7	-1·6	1 12 A.M.
10	-1·9	-1·6	-1·8	-1·4	-1·4	-1·1	-0·8	-0·9	-1·0	-1·4	-2·0	-1·9	2 12 „
11	-2·3	-1·9	-1·5	-1·6	-1·5	-1·2	-1·0	-1·0	-1·2	-1·6	-2·2	-2·1	3 12 „
12	-2·5	-2·2	-1·8	-1·9	-1·7	-1·4	-1·1	-1·1	-1·3	-1·8	-2·5	-2·4	4 12 „
13	-2·8	-2·7	-2·0	-2·2	-1·8	-1·6	-1·1	-1·1	-1·3	-2·1	-2·7	-2·8	5 12 „
14	-3·2	-2·9	-2·3	-2·4	-1·8	-1·7	-1·2	-1·2	-1·4	-2·4	-2·9	-3·1	6 12 „
15	-3·4	-3·2	-2·5	-2·3	-1·6	-1·5	-1·0	-1·2	-1·3	-2·3	-2·9	-3·0	7 12 „
16	-2·8	-2·8	-1·9	-1·5	-1·0	-0·9	-0·6	-0·9	-1·2	-1·7	-2·2	-2·2	8 12 „
17	-1·7	-1·6	-0·9	-0·4	-0·2	-0·2	-0·3	-0·2	-0·2	-0·9	-1·3	-1·0	9 12 „
18	-0·2	-0·1	0·3	0·7	0·5	0·4	0·3	0·3	0·5	0·2	0·1	0·4	10 12 „
19	1·3	1·4	1·3	1·6	1·1	1·3	0·8	1·0	1·1	1·1	1·5	1·6	11 12 „
20	2·4	2·5	2·0	2·2	1·6	1·8	1·1	1·6	1·6	1·9	2·7	2·6	Noon.
21	3·3	3·1	2·6	2·8	2·0	2·0	1·6	1·6	2·0	2·6	3·5	3·4	1 12 P.M.
22	3·9	3·5	2·8	2·9	2·2	2·1	1·7	1·8	2·2	2·9	3·9	3·8	2 12 „
23	4·1	3·6	2·8	2·9	2·1	2·1	1·5	1·8	2·0	2·9	3·8	3·8	3 12 „

TABLE XX.—*Showing, for the Year* 1858, *the Hours of Göttingen Time, at which the Mean Temperature of Air within the Box of Horizontal Force, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Air within the Box of Horizontal Force.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Horizontal Force Thermometer was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
January	80°5	73°1	7·4	23	15
February	81·5	74·7	6·8	23	15
March	84·7	79·4	5·3	23	15
April	88·8	73·5	5·3	23	14
May	89·7	85·7	4·0	22	14
June	88·1	84·3	3·8	22	14
July	84·6	81·7	2·9	22	14
August	84·1	81·1	3·0	23	14
September	84·5	80·9	3·6	22	14
October	86·5	81·2	5·3	23	14
November	86·1	79·2	6·9	22	14
December	82·8	75·9	6·9	22	14

TABLE XXI.—*Mean Temperature of Circumambient Air, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	74°1	77°0	75°5*			82°3	83°6	78°7	81°5	81°1		76°2
2		77·5	74·6	81°9	86°3	81·6	82·2	79·4	80·9		80°5	75·6
3	73·5	76·9	76·1		85·9	84·5		78·8	81·5	83·6	79·7	75·3
4	73·1	74·4	76·8	82·5	86·0	85·8	84·6	78·9		83·5	79·5	
5	72·7	72·3	76·9	84·1	86·5		84·1	80·3	82·2	81·2		76·4*
6	72·0			84·9	87·0	80·9	81°8	80·2	83·2	82·4		77·0
7	72·5	71·2	78·2	85·6	86·7*	83·7	80·6		82·0	83·3	79·9	75·0
8	72·4*	73·6	79·2	83·6	87·0*	85·4	80·1	80·8	81·9	83·6	80·0	75·1
9	72·6*	74·1	79·1	84·0*		85·7	79·7	80·1	81·7		80·4	75·9
10		74·6	77·2	83·3*	86·5	85·8		80·1	77·1	80·2	79·1	78·3
11	76·3	73·7	78·4		86·9	86·3	81·4	81·0		80·3	78·8	
12	78·1	73·5	80·6*	82·7	87·0		79·2	81·5	76·9	82·7	78·5	76·9
13	77·7		81·7*	83·2	86·8	86·2	79·4	81·1	79·0	81·0		76·7
14	78·0	74·5		82·5	86·6	87·2	79·8		80·0	80·8	78·6	75·7
15	76·6	74·8	82·3	83·3		87·2	79·3	81·6	80·9	80·9	78·7	75·1
16		75·8	80·8	83·7	85·2	87·2	79·8	81·2	81·4		78·3	75·2
17	74·5	75·4	78·7		85·4	87·2		80·5	80·2	80·9	77·3	74·3
18	72·6	74·9	80·4	83·9	85·5	86·0	81·6	81·1		80·8	77·5	
19	71·8	73·9	82·5	84·2	85·4		82·3	81·5	80·0	82·6	77·8	73·6
20	70·8			85·8	85·2	82·6	81·2	81·2	80·4*	82·0		74·3
21	69·3	76·6	82·0	86·6	85·0	82·3	81·7		79·7*	81·5	78·9	75·1
22	71·8	78·0	83·1	86·8		82·8	81·7		79·6*	81·4	78·7	75·3
23		78·6	82·2	87·5		81·3*	82·0	79·8	80·3		79·5	75·2
24	74·0	76·4	82·0		85·8	78·1*		79·4	80·3*	79·5	79·9	
25	70·8		82·6	86·0	86·5	80·2	80·2	80·6		78·8	81·5	
26	68·8	76·4	81·8	84·9	86·4		80·1	80·2*	80·5	78·9	80·4	76·0
27	70·0	75·4		84·2	86·6	82·0	79·4	81·6	80·2	79·1	79·9	75·4
28	72·6		79·9*	85·5	86·8	82·8	80·3	81·8	80·2	79·7		75·2
29	75·0		81·0*	86·3	84·2	80·9	80·4		80·9	80·5	76·7	73·2
30			81·1	88·1		82·4	81·3	80·0	81·3		76·8	75·6
31	76·8		81·5		83·2			79·9				

* This sign denotes Abnormal days, or the days on which Magnetic Disturbances occurred.

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Circumambient Air, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Temperature of Circumambient Air.	Difference from the Mean of the Year.
January	73°5	− 6°6
February	75·2	− 4·9
March	79·9	− 0·2
April	84·7	4·6
May	85·9	5·8
June	84·1	4·0
July	81·1	1·0
August	80·4	0·3
September	80·6	0.5
October	81·2	1·1
November	79·0	− 1·1
December	75·5	− 4·6

FOR SEASONS.

Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter .... 77°4

Mean of { April, May, June, July, Aug. Sept. } or Summer.... 82·8

Mean of the year ..... 80·1

Greatest monthly mean, in May..... 85·9

Least monthly mean, in January ..... 73·5

Difference.... 12·4

TABLE XXIII.—*Mean Temperature of Circumambient Air, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	H. M.
Noon.	80°4	81°9	85°2	89°4	90°4	87°4	82°8	82°4	83°7	86°7	85°7	81°6	4 12 P. M.
1	78·0	80·3	83·5	87·3	88·4	86·1	82·1	81·4	82·1	84·5	82·6	78·8	5 12 „
2	75·4	77·0	80·6	85·0	86·2	84·3	81·3	80·2	80·6	81·9	80·5	77·2	6 12 „
3	74·2	75·6	79·4	83·6	84·8	83·1	80·7	79·8	79·9	81·3	79·7	76·3	7 12 „
4	73·7	74·9	78·9	83·1	84·3	82·8	80·5	79·7	79·5	80·6	78·9	75·7	8 12 „
5	72·6	74·0	78·4	82·6	84·0	82·4	80·0	79·5	79·3	79·9	77·8	74·7	9 12 „
6	71·3	72·9	77·8	82·2	83·7	82·0	79·9	79·4	78·9	79·1	76·3	73·4	10 12 „
7	70·5	72·3	77·7	82·0	83·4	81·6	79·7	79·2	78·7	78·6	75·4	72·5	11 12 „
8	69·9	72·0	77·2	81·4	83·1	81·5	79·5	79·2	78·7	78·3	75·1	72·1	Midnight.
9	69·6	71·1	76·9	81·1	82·6	81·5	79·4	78·8	78·3	77·9	75·0	71·9	1 12 A. M.
10	69·2	70·9	76·4	80·8	82·3	81·5	79·2	78·5	78·1	77·8	74·8	71·4	2 12 „
11	68·9	70·5	76·0	80·4	82·1	81·3	79·2	78·4	77·8	77·5	74·8	71·1	3 12 „
12	68·1	70·0	75·4	80·1	82·0	81·1	79·2	78·3	77·7	77·0	74·3	70·6	4 12 „
13	67·8	69·4	75·2	79·7	81·9	80·7	79·3	78·3	77·7	76·9	73·9	70·3	5 12 „
14	67·5	69·2	74·7	79·7	82·2	81·3	79·3	78·2	77·6	76·5	73·7	70·0	6 12 „
15	67·7	69·4	75·7	82·1	84·0	82·3	80·1	78·9	78·8	77·9	74·8	70·6	7 12 „
16	70·4	72·4	78·5	84·5	85·9	84·0	81·1	79·8	80·3	79·9	77·1	73·4	8 12 „
17	73·2	75·4	80·9	86·7	87·6	85·4	81·6	81·2	81·8	81·6	79·1	75·4	9 12 „
18	75·4	78·0	82·8	88·6	89·0	86·6	82·6	82·1	83·2	83·2	81·1	77·1	10 12 „
19	77·4	79·6	84·1	89·7	90·0	87·9	83·6	83·4	83·5	84·4	83·1	79·0	11 12 „
20	79·1	81·0	85·0	90·4	91·0	88·6	83·9	84·0	84·5	85·5	85·0	80·8	Noon.
21	80·5	81·9	85·7	91·1	91·5	88·6	84·6	83·2	84·8	86·7	85·8	82·1	1 12 P. M.
22	81·4	82·5	85·9	90·8	91·6	88·8	84·4	83·9	85·1	87·1	86·4	82·6	2 12 „
23	81·3	82·4	85·8	90·5	91·0	88·5	83·9	83·4	84·6	87·1	86·2	82·5	3 12 „

TABLE XXIV.—*Showing, for the Year* 1858, *the Mean Temperature of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature, of Circumambient Air.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4 12 P. M.	84°8	4°7
1	5 12 „	82·9	2·8
2	6 12 „	80·9	0·8
3	7 12 „	79·9	− 0·2
4	8 12 „	79·4	− 0·7
5	9 12 „	78·8	− 1·3
6	10 12 „	78·1	− 2·0
7	11 12 „	77·6	− 2·5
8	0 12 A. M.	77·3	− 2·8
9	1 12 „	77·0	− 3·1
10	2 12 „	76·7	− 3·4
11	3 12 „	76·5	− 3·6
12	4 12 „	76.1	− 4·0
13	5 12 „	75·9	− 4·2
14	6 12 „	75·8	− 4·3
15	7 12 „	76·9	− 3·2
16	8 12 „	78·9	− 1·2
17	9 12 „	80·8	0·7
18	10 12 „	82·5	2·4
19	11 12 „	83·8	3·7
20	0 12 P. M.	84·9	4·8
21	1 12 „	85·5	5·4
22	2 12 „	85·9	5·8
23	3 12 „	85·6	5·5

FOR DAY AND NIGHT.

Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night ..... 77°8

Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day ..... 82·4

Mean ..... 80·1

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A maximum at about	22 or	2 P.M.
A minimum at about	14. or	6 A.M.

TABLE XXV.—*Excess of the Mean Hourly Temperature of Circumambient Air, above the Monthly Mean Temperature.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	6°9	6°7	5°3	4°7	4°5	3°3	1°7	2°0	3°1	5°5	6°7	6°1	4 12 P.M.
1	4·5	5·2	3·6	2·6	2·5	1·9	0·9	1·0	1·4	3·3	3·6	3·3	5 12 „
2	1·2	1·8	0·7	0·3	0·6	0·2	0·2	- 0·2	- 0·1	0·7	1·5	1·2	6 12 „
3	0·8	0·4	- 0·5	- 1·1	- 1·1	- 1·0	- 0·4	- 0·6	- 0·7	0·1	0·6	0·9	7 12 „
4	0·2	- 0·3	- 1·0	- 1·6	- 1·7	- 1·3	- 0·6	- 0·7	- 1·1	- 0·6	- 0·1	0·2	8 12 „
5	- 0·9	- 1·2	- 1·5	- 2·1	- 1·9	- 1·7	- 1·1	- 0·9	- 1·4	- 1·3	- 1·2	- 0·8	9 12 „
6	- 2·1	- 2·3	- 2·1	- 2·5	- 2·2	- 2·2	- 1·2	- 1·0	- 1·7	- 2·1	- 2·7	- 2·1	10 12 „
7	- 3·0	- 2·9	- 2·2	- 2·7	- 2·5	- 2·5	- 1·4	- 1.2	- 1·9	- 2·6	- 3·6	- 3·0	11 12 „
8	- 3·5	- 3·2	- 2·7	- 3·3	- 2·8	- 2·6	- 1·6	- 1·2	- 2·0	- 2·9	- 3·9	- 3·3	Midnight.
9	- 3·9	- 4·1	- 3·0	- 3·6	- 3·3	- 2·6	- 1·7	- 1·7	- 2·3	- 3·3	- 4·0	- 3·6	1 12 A.M.
10	- 4·3	- 4·3	- 3·5	- 3·9	- 3·6	- 2·6	- 1·9	- 1·9	- 2·5	- 3·4	- 4·2	- 4·1	2 12 „
11	- 4·6	- 4·7	- 3·9	- 4·3	- 3·8	- 2·8	- 1·9	- 2·1	- 2·8	- 3·7	- 4·2	- 4·1	3 12 „
12	- 5·3	- 5·2	- 4·5	- 4·6	- 3·9	- 3·0	- 1·9	- 2·1	- 2·9	- 4·2	- 4·7	- 4·8	4 12 „
13	- 5·7	- 5·8	- 4·7	- 5·0	- 4·0	- 3·4	- 1·8	- 2·1	- 2·9	- 4·3	- 5·1	- 5·2	5 12 „
14	- 6·0	- 6·0	- 5·2	- 5·0	- 3·7	- 2·8	- 1·8	- 2·2	- 3·0	- 4·7	- 5·3	- 5·5	6 12 „
15	- 5·8	- 5·8	- 4·2	- 2·6	- 1·9	- 1·8	- 1·0	- 1·5	- 1·8	- 3·3	- 4·2	- 4·9	7 12 „
16	- 3·1	- 2·3	- 1·4	- 0·1	0·0	- 0·1	0·0	- 0·6	- 0·3	- 1·3	- 1·9	- 2·1	8 12 „
17	- 0·3	0·2	1·0	2·0	1·7	1·3	0·5	0·8	1·2	0·4	0·1	- 0·1	9 12 „
18	1·9	2·8	2·9	3·9	3·1	2·5	1·5	1·7	2·5	2·0	2·1	1·6	10 12 „
19	3·9	4·4	4·2	5·0	4·1	3·8	2·5	3·0	2·9	3·2	4·1	3·5	11 12 „
20	5 6	5·8	5·1	5·7	5·1	4·5	2·8	3·6	3·9	4·3	6·0	5·4	Noon.
21	7·0	6·7	5·8	6·4	5·6	4·5	3·4	2·8	4·2	5·5	6·8	6·6	1 12 P.M.
22	7·9	7·3	6·0	6·1	5·7	4·7	3·3	3·5	4·5	5·9	7·4	7·1	2 12 „
23	7·9	7·2	5·9	5·8	5·1	4·4	2·8	3·0	3·9	5·9	7·2	7·0	3 12 „

TABLE XXVI.—*Showing, for the Year* 1858, *the Hours of Göttingen Mean Time, at which the Mean Temperature of Circumambient Air, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Circumambient Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Circumambient Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°4	67°5	13°9	22	14
February	82·5	69·2	13·3	22	14
March	85·9	74·7	11·2	22	14
April	91·1	79·7	11·4	21	14
May.....	91·6	81·9	9·7	22	13
June	88·8	80·7	8·1	22	13
July.....	84·6	79·2	5·4	21	12
August.....	84·0	78·2	5·8	20	14
September	85·1	77·6	7·5	22	14
October	87·1	76·5	10·6	23	14
November	86·4	73·7	12·7	22	14
December	82·6	70·0	12·6	22	14

TABLE XXVII.—*Mean Value of Absolute Horizontal Intensity, corrected for the Effects of Circumambient Air, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	8·0284	8·0333	8·0204*			8·0296	8·0139	8·0277	8·0207	8·0224		8·0375
2		·0241	·0250	8·0224	8.0251	·0290	·0202	·0263	·0260		8·0274	·0397
3	·0316	·0212	·0282		·0261	·0227		·0299	·0252	·0196	·0263	·0394
4	·0316	·0286	·0293	·0235	·0277	·0170	·0165	·0292		·0211	·0310	
5	·0328	·0331	·0284	·0206	·0230		·0125	·0285	·0288	·0257		·0119*
6	·0316			·0224	·0243	·0237	·0153	·0256	·0286	·0174		·0254
7	·0319	·0360	·0262	·0234	·0163*	·0212	·0236		·0269	·0191	·0343	·0323
8	·0172*	·0342	·0250	·0267	·0065*	·0203	·0265	·0278	·0236	·0194	·0358	·0383
9	·0082*	·0328	·0277	7·9729*		·0199	·0263	·0296	·0240		·0336	·0369
10		·0330	·0297	·9903*	·0158	·0223		·0261	·0308	·0264	·0370	·0314
11	·0184	·0355	·0327		·0168	·0221	·0258	·0280		·0300	·0401	
12	·0163	·0365	·0153*	8·0089	·0154		·0291	·0249	·0285	·0279	·0402	·0288
13	·0151		7·9964*	·0090	·0184	·0215	·0298	·0233	·0306	·0256		·0246
14	·0209	·0309		·0114	·0207	·0220	·0267		·0294	·0322	·0347	·0300
15	·0272	·0253	8·0121	·0139		·0224	·0229	·0274	·0270	·0339	·0310	·0352
16		·0201	·0155	·0145	·0245	·0271	·0255	·0228	·0290		·0361	·0364
17	·0181	·0226	·0203		·0196	·0244		·0268	·0305	·0280	·0412	·0400
18	·0280	·0281	·0214	·0212	·0175	·0263	·0262	·0244		·0212	·0327	
19	·0316	·0325	·0156	·0230	·0235		·0259	·0268	·0175	·0175	·0268	·0395
20	·0342			·0207	·0291	·0214	·0231	·0302	·0142*	·0212		·0390
21	·0359	·0305	·0241	·0134	·0310	·0238	·0267		·0173*	·0222	·0354	·0386
22	·0379	·0299	·0212	·0178		·0251	·0271		·0183*	·0254	·0386	·0307
23		·0301	·0299	·0147		·0112*	·0295	·0279	·0234		·0399	·0259
24	·0367	·0333	·0284		·0119	·0146*		·0272	·0204*	·0327	·0350	
25	·0388		·0273	·0209	·0153	·0170	·0293	·0252		·0368	·0283	
26	·0401	·0347	·0260	·0236	·0216		·0238	·0234*	·0232	·0319	·0263	·0298
27	·0400	·0359	·0195	·0244	·0177	·0189	·0245	·0243	·0271	·0187	·0271	·0323
28	·0257		·0195*	·0173	·0200	·0190	·0216	·0250	·0307	·0189		·0376
29	·0362		·0072*	·0194	·0224	·0266	·0219		·0319	·0196	·0392	·0334
30			·0187	·0194		·0189	·0220	·0249	·0299		·0386	·0327
31	·0328		·0220		·0250			·0277				

* This sign denotes Abnormal days, or the days on which Magnetic Disturbances occurred.

TABLE XXVIII.—*Showing, for each Month, the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Monthly Value of Horizontal Intensity corrected.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	8·0302	0·0038	Mean of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter ..	8·0295
February	·0306	·0042		
March	·0244	– ·0020		
April	·0188	– ·0076	Mean of {Apr. May, June, / July, Aug. Sept.} or Summer ..	8·0234
May	·0215	– ·0049		
June.....	·0226	– ·0038	Mean of the year	8·0264
July	·0236	– ·0028		
August.....	·0267	·0003		
September	·0270	·0006	Greatest monthly mean, in December	8·0339
October	·0247	– ·0017	Least monthly mean, in April	8·0188
November	·0331	·0067		
December.....	·0339	·0075	Difference	0·0151

TABLE XXIX.—*Mean Value of Absolute Horizontal Intensity, corrected for the Effects of Circumambient Air, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	8·0200	8·0212	8·0147	8·0104	8·0128	8·0142	8·0194	8·0224	8·0210	8·0153	8·0202	8·0239	4 12 P. M.
1	·0216	·0216	·0159	·0108	·0136	·0151	·0182	·0220	·0212	·0171	·0230	·0272	5 12 „
2	·0242	·0242	·0195	·0134	·0151	·0166	·0184	·0230	·0228	·0189	·0238	·0274	6 12 „
3	·0248	·0243	·0189	·0143	·0159	·0174	·0184	·0220	·0229	·0176	·0242	·0268	7 12 „
4	·0248	·0251	·0196	·0155	·0168	·0182	·0185	·0217	·0230	·0175	·0250	·0267	8 12 „
5	·0260	·0260	·0192	·0166	·0184	·0196	·0194	·0221	·0231	·0182	·0260	·0274	9 12 „
6	·0281	·0274	·0200	·0174	·0194	·0210	·0199	·0228	·0242	·0204	·0288	·0300	10 12 „
7	·0295	·0291	·0215	·0178	·0209	·0219	·0209	·0235	·0257	·0229	·0329	·0324	11 12 „
8	·0309	·0310	·0222	·0195	·0214	·0227	·0216	·0243	·0249	·0250	·0339	·0335	Midnight.
9	·0325	·0328	·0225	·0205	·0223	·0234	·0225	·0250	·0258	·0255	·0347	·0357	1 12 A. M.
10	·0329	·0338	·0233	·0215	·0228	·0233	·0230	·0253	·0261	·0264	·0355	·0364	2 12 „
11	·0335	·0341	·0247	·0220	·0235	·0243	·0230	·0263	·0269	·0274	·0360	·0371	3 12 „
12	·0360	·0358	·0257	·0223	·0238	·0248	·0236	·0270	·0277	·0284	·0371	·0380	4 12 „
13	·0371	·0360	·0266	·0229	·0245	·0255	·0238	·0277	·0283	·0291	·0387	·0399	5 12 „
14	·0380	·0377	·0287	·0227	·0243	·0254	·0248	·0281	·0283	·0293	·0407	·0410	6 12 „
15	·0385	·0387	·0286	·0192	·0236	·0263	·0255	·0283	·0265	·0264	·0410	·0407	7 12 „
16	·0374	·0359	·0295	·0207	·0251	·0273	·0272	·0306	·0295	·0279	·0420	·0404	8 12 „
17	·0368	·0361	·0329	·0230	·0275	·0288	·0304	·0326	·0323	·0318	·0399	·0412	9 12 „
18	·0377	·0360	·0348	·0248	·0288	·0294	·0323	·0344	·0348	·0340	·0431	·0420	10 12 „
19	·0368	·0358	·0348	·0248	·0280	·0276	·0321	·0352	·0366	·0345	·0433	·0404	11 12 „
20	·0333	·0332	·0314	·0225	·0254	·0252	·0300	·0335	·0345	·0324	·0375	·0372	Noon.
21	·0283	·0295	·0267	·0195	·0222	·0237	·0278	·0307	·0306	·0263	·0317	·0323	1 12 P. M.
22	·0229	·0257	·0225	·0158	·0188	·0168	·0239	·0269	·0260	·0213	·0267	·0287	2 12 „
23	·0222	·0230	·0191	·0123	·0167	·0172	·0211	·0239	·0228	·0175	·0235	·0260	3 12 „

TABLE XXX.—*Showing, for the Year* 1858, *the Mean Value of Absolute Horizontal Intensity, corrected for the Effects of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·0180	− 0·0084
1	5 12 „	·0190	− ·0074
2	6 12 „	·0205	− ·0059
3	7 12 „	·0206	− ·0058
4	8 12 „	·0210	− ·0059
5	9 12 „	·0217	− ·0047
6	10 12 „	·0232	− ·0032
7	11 12 „	·0250	− ·0014
8	0 12 A. M.	·0260	− ·0004
9	1 12 „	·0269	·0005
10	2 12 „	·0276	·0012
11	3 12 „	·0282	·0018
12	4 12 „	·0292	·0028
13	5 12 „	·0301	·0037
14	6 12 „	·0307	·0043
15	7 12 „	·0302	·0038
16	8 12 „	·0312	·0048
17	9 12 „	·0330	·0066
18	10 12 „	·0342	·0078
19	11 12 „	·0341	·0071
20	0 12 P. M.	·0314	·0050
21	1 12 „	·0275	·0011
22	2 12 „	·0230	− ·0034
23	3 12 „	·0205	− ·0059

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night	8·0250
Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day	8·0277
Mean.....	8·0264

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A maximum at	18	or 10 A.M.
A minimum at noon	22	or 2 P.M.

TABLE XXXI.—*Showing, for the Year* 1858, *the Hours for Göttingen Mean Solar Time, about which the Mean Value of Horizontal Intensity, corrected for the Effects of Circumambient Air, in each Month, was at its Diurnal Maxima and Minima.*

Months, 1858.	The Mean Value of Horizontal Intensity corrected for the Effects of Air.						Mean Diurnal Range.	The Time at which the Mean Horizontal Intensity was at its					
	1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.		1st Evening Minimum.	1st Evening Maximum.	2nd Evening Minimum.	Morning Maximum.	Morning Minimum.	Mid-day Maximum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H	H	H	H	H	H
January	8·0200			8·0385	8·0368	8·0377	0·0185	24			15	17	18
February	·0212			·0387	·0359	·0361	·0175	24			15	16	17
March	·0147	8·0195	8·0189	·0196	·0192	·0348	·0201	24	2	3	4	5	18
April	·0104			·0229	·0192	·0248	·0144	24			13	15	18
May	·0128			·0245	·0236	·0288	·0160	24			13	15	18
June	·0168	·0172	·0142			·0294	·0152	22	23	0			18
July	·0182					·0323	·0141	25					18
August	·0220	·0230	·0217			·0352	·0135	25	2	4			19
September	·0210	·0257	·0249	·0283	·0265	·0366	·0156	24	7	8	14	15	19
October	·0158	·0189	·0175	·0293	·0264	·0345	·0187	24	2	4	14	15	19
November	·0202			·0420	·0399	·0433	·0231	24			16	17	19
December	·0239	·0274	·0267	·0410	·0404	·0420	·0181	24	2	4	14	16	18

TABLE XXXII.—*Daily Range of Absolute Horizontal Force, as obtained from the Hourly Readings of Large Horizontal Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	0·0185	0·0236	0·0495			0·0207	0·0244	0·0181	0·0196	0·0300		0·0185
2		·0345	·0341	0·0225	0.0202	·0195	·0248	·0161	·0257		0·0270	·0209
3	·0235	·0225	·0262		·0243	·0184		·0227	·0166	·0278	·0278	·0221
4	·0272	·0270	·0286	·0204	·0259	·0366	·0183	·0176		·0216	·0276	
5	·0278	·0199	·0282	·0229	·0183		·0276	·0252	·0203	·0221		·0456
6	·0211			·0202	·0228	·0139	·0162	·0182	·0251	·0345		·0263
7	·0229	·0142	·0161	·0229	·0320	·0202	·0238		·0194	·0283	·0244	·0196
8	·0629	·0249	·0241	·0145	·0240	·0255	·0225	·0189	·0192	·0313	·0216	·0206
9	·0359	·0255	·0263	·0991		·0196	·0218	·0246	·0208		·0184	·0237
10		·0160	·0279	·0473	·0175	·0169		·0251	·0171	·0279	·0257	·0320
11	·0264	·0203	·0331		·0136	·0215	·0207	·0279		·0304	·0374	
12	·0138	·0213	·0513	·0219	·0159		·0121	·0209	·0349	·0243	·0285	·0196
13	·0279		·0360	·0239	·0235	·0189	·0243	·0131	·0338	·0229		·0311
14	·0226	·0225		·0219	·0248	·0206	·0160		·0222	·0295	·0237	·0249
15	·0297	·0352	·0213	·0226		·0204	·0215	·0286	·0265	·0239	·0195	·0230
16		·0226	·0271	·0217	·0200	·0189	·0273	·0255	·0230		·0382	·0189
17	·0205	·0270	·0303		·0224	·0139		·0269	·0200	·0204	·0256	·0139
18	·0180	·0251	·0272	·0235	·0158	·0198	·0225	·0185		·0190	·0316	
19	·0172	·0229	·0243	·0195	·0278		·0196	·0284	·0203	·0390	·0503	·0271
20	·0260			·0231	·0212	·0236	·0206	·0234	·0246	·0233		·0205
21	·0160	·0196	·0290	·0195	·0315	·0206	·0218		·0228	·0286	·0251	·0277
22	·0176	·0268	·0363	·0302		·0321	·0190		·0264	·0257	·0323	·0290
23		·0270	·0329	·0348		·0220	·0241	·0227	·0280		·0234	·0262
24	·0123	·0155	·0328		·0333	·0225		·0196	·0290	·0251	·0158	
25	·0209		·0262	·0179	·0298	·0265	·0274	·0170		·0286	·0282	
26	·0186	·0269	·0202	·0261	·0263		·0319	·0271	·0209	·0268	·0239	·0251
27	·0201	·0202		·0222	·0168	·0248	·0136	·0199	·0244	·0269	·0301	·0148
28	·0233		·0533	·0334	·0293	·0202	·0180	·0297	·0275	·0360		·0190
29	·0241		·0457	·0221	·0273	·0259	·0191		·0391	·0210	·0175	·0252
30			·0267	·0289		·0323	·0227	·0181	·0289		·0218	·0163
31	·0263		·0234		·0196			·0259				
Mean Monthly Value.	0·0239	0·0235	0·0315	0·0275	0·0234	0·0222	0·0218	0·0223	0·0244	0·0283	0·0269	0·0237

Mean Value for Summer 0·0236. For Winter 0·0263.

TABLE XXXIII.—*Showing the Greatest and Least Values of Absolute Horizontal Force in Simple Hourly Observations during the Year* 1858.

Months, 1858.	Greatest Value of Horizontal Force.				Least Value of Horizontal Force.			
	Date and Hour.	Absolute Horizontal Force Greatest.	Normal Mean.	Difference.	Date and Hour.	Absolute Horizontal Force Least.	Normal Mean.	Difference.
	D. H.	En. Un.	En. Un.	En. Un.	D. H.	En. Un.	En. Un.	En. Un.
January	8–19	8·0431	8·0320	0·0111	9 Noon.	7·9757	8·0210	–0·0453
February	26–18	·0472	·0352	·0120	15– 5	·9944	·0158	– ·0214
March	23–19	·0555	·0417	·0138	12–22	·9831	·0322	– ·0491
April	30–19	·0520	·0431	·0089	9– 6	·9188	·0201	– ·1013
May	21–20	·0597	·0432	·0165	24– 4	8·0062	·0238	– ·0176
June	16–20	·0503	·0398	·0105	24– 5	7·9972	·0224	– ·0252
July	25–19	·0501	·0391	·0110	1– 1	8·0086	·0255	– ·0169
August	20–19	·0495	·0413	·0082	16– 8	·0130	·0229	– ·0099
September	29–19	·0605	·0426	·0179	20– 4	·0036	·0215	– ·0179
October	25–19	·0533	·0442	·0091	6– 4	·0034	·0196	– ·0162
November	11–20	·0622	·0454	·0168	19– 4	7·9975	·0226	– ·0251
December	21–19	·0472	·0397	·0075	5– 4	·9835	·0206	– ·0371

TABLE XXXIV.—*Mean Value of Calculated Dip, corrected for Instrumental Error, for each Day of Göttingen Mean Time.*

Date, 1558.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	19°15′1	19°03′7	19°07′1*			19°15′8	19°30′3	19°24′5	19°17′6	18°56′9		19°23′9
2		·04·8	·07·9	19°15′3	19°16′8	·16·3	·28·5	·25·4	·17·4		19°16′0	·23·9
3	·13·6	·05·4	·06·2		·16·9	·15·1		·24·3	·16·6	19·05·1	·16·8	·25·6
4	·13·5	·06·8	·05·8	·15·5	·17·1	·14·1	·26·9	·23·9		·05·2	·17·1	
5	·13·2	·07·7	·06·4	·15·4	·17·0		·27·5	·23·2	·15·2	·06·2		·23·0*
6	·12·9			·14·4	·17·2	·14·9	·28·1	·22·9	·14·6	·06·7		·26·7
7	·11·9	·08·5	·04·9	·10·9	·18·5*	·14·8	·28·4		·15·1	·06·8	·17·3	·26·6
8	·12·7*	·06·7	·04·8	·12·9	·19·4*	·13·6	·27·5	·21·4	·15·1	·07·6	·16·5	·26·1
9	·14·0*	·07·2	·03·5	·20·7*		·13·0	·27·2	·20·9	·14·6		·15·8	·26·9
10		·07·2	·03·9	·19·2*	·19·3	·12·7		·21·6	·16·1	·10·1	·16·3	·26·3
11	·10·0	·07·7	·03·6		·18·5	·12·4	·26·3	·20·1		·12·6	·15·3	
12	·08·6	·07·1	·05·1*	·17·1	·19·1		·25·2	·19·5	·16·8	·09·8	·13·5	·27·2
13	·08·1		·07·5*	·16·9	·18·5	·12·2	·25·5	·19·6	·15·4	·12·0		·28·9
14	·06·1	·07·0		·17·9	·19·2	·11·3	·25·3		·15·8	·12·0	·15·0	·30·0
15	·05·1	·06·7	·05·4	·17·8		·10·8	·25·7	·18·7	·15·3	·12·1	·16·7	·30·9
16		·06·3	·05·4	·17·7	·19·3	·10·1	·23·9	·19·3	·12·8		·16·3	·30·8
17	·07·9	·06·5	·05·5		·20·5	·10·1		·19·2	·11·7	·11·8	·17·5	·31·0
18	·07·9	·06·0	·05·3	·16·9	·21·3	·09·8	·21·1	·19·5		·13·6	·19·4	
19	·07·7	·06·1	·04·4	·16·4	·19·8		·19·0	·18·5	·12·6	·13·5	·21·0	·32·8
20	·07·9			·16·2	·19·4	·13·3	·21·4	·18·2	·11·1*	·14·2		·32·7
21	·10·7	05·1	·04·2	·17·0	·18·5	·13·6	·22·0		·10·7*	·16·8	·19·5	·33·4
22	·09·1	04·3	·03·7	·16·3		·12·8	·24·0		·10·1*	·16·6	·19·5	·34·1
23		03·6	·03·0	·16·5		·14·7*	·23·5	·19·5	·07·2		·17·9	·35·3
24	·06·4	03·3	·03·6		·18·0	·16·5*		·19·9	·07·0*	·16·9	·18·8	
25	·09·0		·03·4	·17·6	·15·6	·14·9	·24·0	·19·1		·16·5	·18·5	
26	·09·6	·03·0	·03·9	·18·0	·14·0		·24·4	·18·5*	·06·0	·18·3	·18·7	·32·9
27	·09·4	·03·8		·18·1	·14·8	·23·9	·25·3	·16·5	·04·9	·20·6	·19·1	·31·5
28	·08·2		·06·1*	·18·9	·15·5	·34·6	·24·6	·16·9	·03·8	·21·8		·32·0
29	·05·8		·06.9*	·18·1	·15·6	·31·8	·24·4		·07·5	·21·5	·20·6	·33·1
30			·05·6	·17·6		·31·5	·24·3	·17.7	·10·8		·22·8	·32·2
31	·03·9		·05·2		·15·4			·14·6				

* This sign denotes Abnormal days, or the days on which Magnetic Disturbances occurred.

TABLE XXXV.—*Showing, for each Month, the Mean Value of Calculated Dip, corrected for Instrumental Errors, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Value of Calculated Dip.	Difference from the Mean of the Year.
January	19°09′2	−0°06′5
February	·05·9	− ·09·8
March	·04·7	− ·11·0
April	·16·5	·00·8
May	·17·7	·02·0
June	·15·9	·00·2
July	·25·1	·09·4
August	·20·3	·04·6
September	·12·9	− ·02·8
October	·12·2	− ·03·5
November	·18·1	·02·4
December	·29·8	·14·1

FOR SEASONS.

Mean of { Jan. Feb. March, / Oct. Nov. Dec. } or Winter	19°13′3
Mean of { April, May, June, / July, Aug. Sept. } or Summer	19·18·1
Mean of the year	19·15·7
Greatest monthly mean, in December	19·29·8
Least monthly mean, in March	19·04·7
Difference	0·25·1

TABLE XXXVI.—*Mean Value of Calculated Dip, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Noon.	19°07′7	19°04′5	19°04′1	19°16′4	19°17′4	19°15′8	19°24′9	19°20′5	19°12′7	19°10′0	19°16′4	19°28′3	4 12 P.M.
1	·08·2	·04·8	·04·1	·16·6	·17·7	·16·0	·25·1	·20·6	·12·9	·10·3	·17·0	·28·6	5 12 „
2	·09·1	·05·6	·04·6	·16·5	·17·9	·16·3	·25·3	·20·3	·12·9	·11·3	·18·0	·29·6	6 12 „
3	·09·7	·06·3	·05·4	·17·0	·18·3	·16·4	·25·3	·20·3	·13·1	·12·3	·18·3	·30·0	7 12 „
4	·09·7	·06·5	·05·6	·17·2	·18·6	·16·7	·25·7	·20·6	·13·2	·12·6	·18·6	·30·2	8 12 „
5	·10·0	·06·7	·05·8	·17·4	·18·6	·16·8	·25·8	·20·7	·13·2	·13·0	·19·1	·30·6	9 12 „
6	·10·2	·06·8	·06·1	·17·6	·18·8	·16·9	·26·0	·20·9	·13·2	·13·4	·19·5	·30·6	10 12 „
7	·10·3	·06·9	·06·2	·17·8	·18·9	·17·1	·26·1	·21·0	·13·2	·13·6	·19·3	·30·7	11 12 „
8	·10·4	·07·0	·06·2	·17·8	·19·1	·17·1	·26·2	·21·2	·13·4	·13·5	·19·5	·31·0	Midnight.
9	·10·3	·06·9	·06·2	·17·9	·19·1	·17·2	·26·6	·21·2	·13·4	·13·5	·19·5	·30·9	1 12 A.M.
10	·10·5	·06·9	·06·3	·17·9	·19·1	·17·2	·26·2	·21·3	·13·5	·13·6	·19·6	·31·1	2 12 „
11	·10·5	·07·0	·06·3	·17·9	·19·2	·17·3	·26·3	·21·4	·13·7	·13·7	·19·6	·31·1	3 12 „
12	·10·4	·07·0	·06·3	·18·0	·19·7	·17·4	·26·4	·21·4	·13·7	·14·0	·10·5	·31·3	4 12 „
13	·10·4	·07·2	·06·4	·18·3	·19·6	·17·6	·26·6	·21·5	·13·7	·14·1	·19·5	·31·3	5 12 „
14	·10·5	·07·3	·06·5	·18·9	·20·1	·18·2	·27·1	·21·9	·14·0	·14·8	·19·3	·31·6	6 12 „
15	·10·7	·07·4	·06·7	·18·6	·19·5	·17·5	·26·8	·21·5	·14·0	·15·1	·19·5	·32·0	7 12 „
16	·10·9	·07·2	·05·5	·16·8	·17·7	·15·6	·25·5	·21·0	·13·2	·14·0	·19·1	·31·8	8 12 „
17	·10·3	·05·9	·03·5	·14·7	·15·3	·14·3	·23·9	·19·0	·12·0	·12·1	·17·9	·30·5	9 12 „
18	·08·2	·04·3	·01·7	·13·1	·14·0	·12·9	·22·4	·18·0	·11·1	·09·9	·16·1	·28·5	10 12 „
19	·06·5	·03·0	·00.6	·12·1	·13·7	·12·3	·21·9	·17·5	·10·7	·08·8	·15·1	·26·7	11 12 „
20	·06·5	·03·0	·00·8	·12·8	·14·0	·12·5	·22·3	·17·7	·10·7	·08·6	·15·0	·26·7	Noon.
21	·07·1	·03·7	·01·9	·13·8	·15·0	·13·1	·22·9	·18·7	·11·2	·09·2	·15·5	·27·3	1 12 P.M.
22	·06·7	·04·1	·03·0	·14·8	·15·8	·13·8	·23·6	·19·4	·11·8	·10·4	·15·5	·27·6	2 12 „
23	·06·9	·04·2	·03·4	·15·6	·16·7	·14·9	·24·3	·20·1	·12·6	·10·5	·16·0	·27·9	3 12 „

TABLE XXXVII.—*Showing, for the Year* 1858, *the Mean Value of Calculated Dip, corrected for Instrumental Errors, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Calculated Dip corrected.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P. M.	19°14′9	−0°00′8	
1	5 12 „	·15·2	− ·00·5	
2	6 12 „	·15·6	− ·00·1	
3	7 12 „	·16·0	·00·3	Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night .... 19°16′6
4	8 12 „	·16·3	·00·6	
5	9 12 „	·16·5	·00·8	
6	10 12 „	·16·6	·00·9	
7	11 12 „	·16·7	·01·0	Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1,} or Day..... 19·14·7
8	0 12 A. M.	·16·8	·01·1	
9	1 12 „	·16·9	·01·2	Mean..... 19·15·7
10	2 12 „	·16 9	·01·2	
11	3 12 „	·17·0	·01·3	
12	4 12 „	·17·0	·01·4	
13	5 12 „	·17·2	·01·5	
14	6 12 „	·17·5	·01·8	
15	7 12 „	·17·4	·01·7	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 12 „	·16·5	·00·8	G.M.T. B.C.T.
17	9 12 „	·15·0	− ·00·7	A maximum at about 14 or 6 P. M.
18	10 12 „	·13·3	− ·02·4	A minimum at about 19 or 11 A. M.
19	11 12 „	·12·4	− ·03·3	
20	0 12 P. M.	·12·6	− ·03·1	
21	1 12 „	·13·3	− ·02·4	
22	2 12 „	·13·9.	− ·01·8	
23	3 12 „	·14·4	− ·01·3	

TABLE XXXVIII.—*Excess of the Hourly Value of Computed Dip above the Monthly Mean Value.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	− 1′5	− 1′4	− 0′9	− 0′1	− 0′3	− 0′1	− 0′2	0′2	− 0′2	− 2′2	− 1′9	− 1′5	4 12 P.M.
1	− 1·0	− 1·1	− 0·6	0·1	0·0	0·1	0·0	0·3	0·0	− 1·9	− 1·1	− 1·2	5 12 „
2	− 0·1	− 0·3	− 0·1	0·0	0·2	0·4	0·2	0·0	0·0	− 0·9	− 0·1	− 0·2	6 12 „
3	0·5	0·4	0·7	0·5	0·6	0·5	0·2	0·0	0·2	0·1	0·2	0·2	7 12 „
4	0·5	0·6	0·9	0·7	0·9	0·8	0·6	0·3	0·3	0·4	0·5	0·4	8 12 „
5	0·8	0·8	1·1	0·9	0·9	0·9	0·7	0·4	0·3	0·8	1·0	0·8	9 12 „
6	1·0	0·9	1·4	1·1	1·1	1·0	0·9	0·6	0·3	1·2	1·4	0·8	10 12 „
7	1·1	1·0	1·5	1·3	1·2	1·2	1·0	0·7	0·3	1·4	1·2	0·9	11 12 „
8	1·2	1·1	1·5	1·3	1·4	1·2	1·1	0·9	0·5	1·3	1·4	1·2	Midnight.
9	1·1	1·0	1.5	1·4	1·4	1·3	1·5	0·9	0·5	1·3	1·4	1·1	1 12 A.M.
10	1·3	1·0	1·6	1·4	1·4	1·3	1·1	1·0	0·6	1·4	1·5	1·3	2 12 „
11	1·3	1·1	1·6	1·4	1·5	1·4	1·2	1.1	0·8	1·5	1·5	1·3	3 12 „
12	1·2	1·1	1·6	1·5	2·0	1·5	1·3	1·1	0·8	1·8	1·4	1·5	4 12 „
13	1·2	1·3	1·7	1·8	1·9	1·7	1·5	1·2	0·8	1·9	1·2	1·5	5 12 „
14	1·3	1·4	1·8	2·4	2·4	2·3	2·0	1·6	1·1	2·6	1·2	1·8	6 12 „
15	1·5	1·5	2·0	2·1	1·6	1·6	1·7	1·2	1·1	2·9	1·4	2·2	7 12 „
16	1·7	1·3	0·8	0·3	0·0	− 0·2	0·4	0·7	0·3	1·8	1·0	2·0	8 12 „
17	1·1	0·0	− 1·2	− 1·8	− 2·4	− 1·6	− 1·2	− 1·3	− 0·9	− 0·1	− 0·2	0·7	9 12 „
18	− 1·0	− 1·6	− 3·0	− 3·4	− 3·7	− 3·0	− 2.7	− 2·3	− 1·8	− 2·3	− 2·0	− 1·3	10 12 „
19	− 2·7	− 2·9	− 4·1	− 3·9	− 4·0	− 3·6	− 3·2	− 2·8	− 2·2	− 3·4	− 3·0	− 3·1	11 12 „
20	− 2.7	− 2·9	− 3·9	− 3·7	− 3·7	− 3·4	− 2·8	− 2·6	− 2·2	− 3·6	− 3·1	− 3·1	Noon.
21	− 2·1	− 2·2	− 2·8	− 2·7	− 2·7	− 2·8	− 2·2	− 1·6	− 1·7	− 3·2	− 2·6	− 2·5	1 12 P.M.
22	− 2·5	− 1·8	− 1·7	− 1·7	− 1·9	− 2·1	− 1·5	− 0·9	− 1·1	− 1·8	− 2·6	− 2·2	2 12 „
23	− 2·3	− 1·7	− 1·3	− 0·9	− 1·0	− 1·0	− 0·8	− 0·2	− 0·3	− 1·7	− 2·1	− 1·9	3 12 „

TABLE XXXIX.—*Showing, for the Year* 1858, *the Hours of Göttingen Mean Time, at which the Mean Hourly Value of Calculated Dip, corrected in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Value of Calculated Dip.		Mean Diurnal Range.	The Time at which the Mean Hourly Value of Calculated Dip was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	19°10′9	19°06′5	0°04′4	16	19
February	·07·4	·03·0	·04·4	15	19
March	·06·7	·00·6	·06·1	15	19
April	·18·9	·12·1	·06·8	14	19
May	·20·1	·13·7	·06·4	14	19
June	·18·2	·12·3	·05·9	14	19
July	·27·1	·21·9	·05·2	14	19
August	·21·9	·17·5	·04·4	14	19
September	·13·8	·10·7	·03·1	14	19
October	·15·1	·08·6	·06·5	15	20
November	·19·5	·15·0	·04·5	15	19
December	·32·0	·26·7	·05·3	15	19

TABLE XL.—*Showing, for the Year* 1858, *the Hours of Göttingen Mean Time, at which the Calculated Dip, in Simple Hourly Observations, in each Month, was Greatest and Least.*

Months, 1858.	Values of Calculated Dip in Simple Hourly Observations.		Extreme Range.	The Time at which it was	
	Greatest.	Least.		Greatest.	Least.
				D. H.	D. H.
January	19°13′5	18°58′5	0°15′0	26–16	15–19
February	·13·9	19·01·3	·12·6	15– 5	26–19
March	·15·2	18·57·4	·17·8	1– 6	23–19
April	·26·0	19·03·4	·22·6	9– 6	7–19
May	·14·3	·00·8	·13·5	18–14	26–19
June	·33·9	·02·3	·31·6	28–14	16–20
July	·33·4	·19·8	·13·6	30–15	16–19
August	·34·7	·25·2	·09·5	26– 7	15–19
September	·42·9	·28·0	·14·9	29–14	6–19
October	·20·1	·00·3	·19·8	27–16	10–19
November	·12·9	18·59·0	·13·9	30–15	12–20
December	·24·0	19·06·2	·17·8	23–15	10–20

TABLE XLI.—*Daily Range of Calculated Dip, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	0°06′1	0°03′3	0°09′1			0°06′8	0°06′0	0°03′6	0°03′4	0°07′8		0°04′8
2		·05·1	·05·5	0°05′9	0°05′2	·07·1	·07·9	·03·4	·04·1		0°05′6	·05·2
3	·04·3	·04·9	·05·8		·06·6	·06·2		·03·8	·03·4	·08·7	·05·2	·04·9
4	·07·2	·04·0	·05·5	·07·2	·06·6	·06·3	·06·7	·04·2		·10·3	·06·3	
5	·06·8	·05·0	·04·7	·07·0	·06·3		·06·6	·04·9	·04·7	·09·2		·10.4
6	·04·6			·07·6	·07·2	·06·5	·05·9	·03·0	·04·6	·09·8		·07·4
7	·05·4	·05·4	·05·9	·06·7	·05·0	·07·1	·07·0		·03·6	·09·1	·07·0	·06·0
8	·08·4	·05·5	·06·3	·05·0	·05·5	·07·1	·05·8	·04·6	·02·9	·07·8	·06·3	·05·7
9	·06·0	·05·9	·07·0	·18·5		·06·5	·06·0	·04·6	·03·0		·07·0	·09·5
10		·03·9	·05·7	·08·0	·05·4	·04·8		·06·7	·02·5	·08·9	·07·7	·10·2
11	·05·9	·04·6	·06·2		·07·1	·05·4	·06·5	·06·8		·09·2	·09·3	
12	·03·3	·05·5	·08·5	·05·8	·06·2		·03·7	·05·2	·04·1	·08·7	·07·8	·05·8
13	·05·9		·06·2	·06·5	·08·4	·05·8	·07·9	·04·6	·05·1	·05·2		·06·8
14	·06·4	·04·7		·06·1	·06·7	·06·0	·04·2		·03·8	·06·8	·05·6	·04·4
15	·06·1	·05·5	·07·6	·06·0		·07·4	·05·8	·06·8	·05·2	·07·4	·05·8	·05·4
16		·06·1	·07·0	·07·5	·06·4	·05·1	·10·1	·04·8	·05·2		·06·7	·04·5
17	·05·4	·04·9	·07·6		·06·7	·04·6		·05·2	·03·6	·07·1	·05·3	·03·8
18	·06·9	·06·7	·06·9	·06·5	·05·2	·04·6	·06·6	·03·5		·06·8	·06·0	
19	·08·3	·05·3	·06·7	·05·5	·08·2		·05·0	·04·9	·03·3	·08·4	·04·8	·05·8
20	·05·6			·05·4	·06·9	·04·4	·05·6	·05·4	·04·0	·07·4		·06·9
21	·07·1	·05·5	·08·7	·06·0	·06·5	·06·4	·03·8		·03·5	·06·3	·05·8	·04·9
22	·04·6	·06·0	·07·2	·07·8		·06·7	·04·7		·05·4	·09·1	·06·0	·05·3
23		·05·8	·07·3	·07·9		·04·4	·03·0	·03·7	·05·4		·06·1	·06·1
24	·03·7	·06·4	·06·6		·09·5	·06·2		·05·8	·05·4	·07·7	·04·5	
25	·04·5		·06·6	·07·1	·08·5	·06·7	·06·4	·04·2	·02·9	·08·0	·05·6	
26	·06·6	·08·3	·07·3	·07·1	·07·8		·06·2	·06·7	·03·3	·07·7	·06·1	·07·7
27	·05·9	·06.4		·07·1	·05·6	·12·0	·03·9	·05·7	·04·1	·10·0	·04·4	·07·2
28	·07·3		·09·3	·06·7	·06·8	·06·5	·05·0	·05·6	·04·0	·06·3		·07·0
29	·07·0		·07·7	.05·7	·06·5	·07·5	·04·8		·11·3	·04·3	·04·8	·05·6
30			·07·2	·06·5		·07·1	·04·9	·02·7	·04·0		·05·0	·04·8
31	·07·3		·06·0		·04·8			·05·4				
Monthly Mean.	0·06·0	0·05·4	0·06·8	0·07·1	0·06·6	0·06·3	0·05·8	0·04·8	0·04·2	0·07·9	0·06·0	0·06·2

TABLE XLII.—*Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	2·8020	2·7721	2·7765*			2·8075	2·8422	2·8298	2·8083	2·7497		2·8280
2	.	·7720	·7776	2·8011	2.8103	·8083	·8390	·8321	·8085		2·8028	·8285
3	·7989	·7726	·7766		·8101	·8048		·8299	·8067	·7715	·8049	·8325
4	·7983	·7757	·7764	·8020	·8116	·8012	.8857	·8287		·7722	·8072	
5	·7979	·7790	·7764	·8016	·8103		·8365	·8273	·8043	·7747		·8325*
6	·7963			·7999	·8113	·8026	·8381	·8156	·8078	·7742		·8320
7	·7941	·7813	·7741	·7917	·8121*	·8030	·8408		·8032	·7752	·8094	·8323
8	·7922*	·7765	·7735	·7964	·8120*	·8010	·8393	·8226	·8022	·7777	·8084	·8330
9	·7927*	·7778	·7714	·7986*		·7995	·8386	·8216	·8008		·8061	·8350
10		·7775	·7723	·7998*	·8143	·7994		·8126	·8040	·7840	·8074	·8331
11	·7878	·7789	·7719		·8141	·7990	·8374	·8194		·7924	·8060	
12	·7845	·7777	·7723*	·8008	·8135	.	·8347	·8172	·8055	·7856	·8007	·8339
13	·7833		·7731*	·8005	·8126	·7985	·8354	·8165	·8034	·7893		·8369
14	·7801	.7763		·8036	·8143	·7973	·8340		·8052	·7918	·8030	·8407
15	·7791	·7742	·7725	·8046		·7960	·8338	·8152	·8019	·7925	·8055	·8444
16		·7722	·7730	·8048	·8149	·7958	·8302	·8149	·7979		·8068	·8446
17	·7827	·7724	·7736		·8163	·7952		·8157	·7959	·7903	·8111	·8458
18	·7836	·7728	·7747	·8056	·8174	·7946	·8234	·8154		·7927	·8135	
19	·7832	·7735	·7734	·8051	·8154		·8179	·8147	·7971	·7867	·8161	·8401
20	·7837			·8055	·8157	·8003	·8229	·8135	·7931*	·7956		·8500
21	·7902	·7712	·7749	·8058	·8139	·8018	·8253		·7939*	·8026	·8160	·8521
22	·7876	·7704	·7731	·8059		·8005	·8301		·7936*	·8026	·8161	·8518
23		·7694	·7734	·8058		·8006*	·8310	·8154	·7891		·8146	·8536
24	·7807	·7690	·7745		·8074	·8049*		·8152	·7887*	·8054	·8152	
25	·7861		·7738	·8097	·8024	·8022	·8300	·8132		·8056	·8134	
26	·7867	·7696	·7742	·8111	·8010		·8299	·8115*	·7878	·8087	·8128	·8485
27	·7865	·7722		·8113	·8019	·8268	·8315	·8072	·7858	·8114	·8141	·8454
28	·7832		·7763*	·8122	·8040	·8517	·8295	·8086	·7852	·8149		·8473
29	·7787		·7749*	·8111	·8049	·8482	·8294		·7962	·8152	·8204	·8485
30			·7752	·8108		·8424	·8297	·8091	·8050		·8259	·8475
31	·7728		·7757		·8053			·8096				

* This sign denotes Abnormal days, or the days on which Magnetic Disturbances occurred.

TABLE XLIII.—*Showing, for each Month, the Mean Value of Vertical Intensity, corrected for Instrumental Errors, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Value of Vertical Intensity corrected.	Difference from the Mean of the Year.
	En. Un.	En. Un.
January	2·7870	− 0·0170
February	·7741	− ·0299
March	·7742	− ·0298
April	·8048	·0008
May	·8105	·0065
June	·8074	·0034
July	·8325	·0285
August	·8180	·0140
September	·7998	− ·0042
October	·7907	− ·0133
November	·8115	·0075
December.....	·8377	·0337

FOR SEASONS.	En. Un.
Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter.	2·7959
Mean of { April, May, June, July, Aug. Sept. } or Summer.	2·8122
Mean of the year.....	2·8040
Greatest monthly mean, in December....	2·8377
Least monthly mean, in February.....	2·7741
Difference....	0·0636

TABLE XLIV.—*Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, in each Month, for each Hour of Göttingen Mean and Bombay Civil Time.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	2·7834	2·7711	2·7724	2·8040	2·8096	2·8066	2·8314	2·8181	2·7992	2·7851	2·8067	2·8338	4 12 P.M.
1	·7840	·7714	·7719	·8036	·8095	·8068	·8315	·8176	·7991	·7852	·8074	·8341	5 12 „
2	·7857	·7724	·7727	·8037	·8095	·8067	·8316	·8166	·7989	·7874	·8094	·8359	6 12 „
3	·7864	·7736	·7741	·8040	·8095	·8068	·8314	·8165	·7991	·7888	·8097	·8366	7 12 „
4	·7865	·7738	·7742	·8046	·8103	·8082	·8323	·8171	·7993	·7890	·8102	·8370	8 12 „
5	·7870	·7741	·7744	·8053	·8109	·8082	·8328	·8175	·7992	·7899	·8114	·8364	9 12 „
6	·7877	·7743	·7751	·8056	·8115	·8087	·8332	·8182	·7993	·7916	·8123	·8372	10 12 „
7	·7878	·7749	·7758	·8062	·8122	·8091	·8337	·8184	·7996	·7923	·8128	·8379	11 12 „
8	·7880	·7754	·7759	·8064	·8125	·8099	·8338	·8187	·7998	·7927	·8135	·8388	Midnight
9	·7883	·7754	·7759	·8069	·8127	·8096	·8339	·8188	·7998	·7929	·8138	·8390	1 12 A.M.
10	·7885	·7754	·7759	·8070	·8127	·8099	·8342	·8192	·7999	·7934	·8136	·8395	2 12 „
11	·7888	·7754	·7762	·8071	·8129	·8100	·8344	·8193	·8007	·7938	·8140	·8397	3 12 „
12	·7889	·7757	·7762	·8068	·8133	·8103	·8347	·8196	·8008	·7942	·8142	·8401	4 12 „
13	·7891	·7763	·7766	·8079	·8143	·8110	·8355	·8202	·8010	·7947	·8143	·8405	5 12 „
14	·7895	·7767	·7774	·8095	·8156	·8128	·8370	·8211	·8017	·7963	·8147	·8411	6 12 „
15	·7901	·7778	·7774	·8089	·8144	·8118	·8366	·8209	·8019	·7970	·8157	·8427	7 12 „
16	·7918	·7778	·7774	·8061	·8118	·8093	·8343	·8193	·8013	·7958	·8163	·8432	8 12 „
17	·7916	·7762	·7746	·8026	·8071	·8062	·8315	·8168	·8002	·7924	·8147	·8417	9 12 „
18	·7877	·7727	·7717	·8001	·8053	·8035	·8289	·8154	·7993	·7884	·8117	·8375	10 12 „
19	·7844	·7710	·7696	·7993	·8047	·8021	·8281	·8148	·7988	·7865	·8089	·8341	11 12 „
20	·7840	·7710	·7695	·7994	·8055	·8022	·8291	·8153	·7988	·7872	·8087	·8339	Noon.
21	·7812	·7723	·7710	·8013	·8072	·8034	·8297	·8166	·7990	·7874	·8086	·8344	1 12 P.M.
22	·7828	·7722	·7726	·8026	·8081	·8043	·8305	·8176	·7995	·7880	·8072	·8342	2 12 „
23	·7825	·7714	·7726	·8034	·8093	·8063	·8311	·8180	·7998	·7882	·8071	·8341	3 12 „

TABLE XLV.—*Showing, for the Year* 1858, *the Mean Value of Vertical Intensity, corrected for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Vertical Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	2·8018	−0·0022
1	5 12 „	·8019	− ·0021
2	6 12 „	·8025	− ·0015
3	7 12 „	·8030	− ·0010
4	8 12 „	·8035	− ·0005
5	9 12 „	·8039	− ·0001
6	10 12 „	·8046	·0006
7	11 12 „	·8051	·0011
8	0 12 A. M.	·8055	·0015
9	1 12 „	·8056	·0016
10	2 12 „	·8058	·0018
11	3 12 „	·8059	·0019
12	4 12 „	·8062	·0022
13	5 12 „	·8068	·0028
14	6 12 „	·8078	·0038
15	7 12 „	·8079	·0039
16	8 12 „	·8070	·0030
17	9 12 „	·8046	·0006
18	10 12 „	·8019	− ·0021
19	11 12 „	·8002	− ·0038
20	0 12 P. M.	·8004	− ·0036
21	1 12 „	·8010	− ·0030
22	2 12 „	·8016	− ·0024
23	3 12 „	·8020	− ·0020

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night	2·8049
Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1,} or Day	2·8032
Mean	2·8040

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.		B.C.T.
A minimum at	Noon	or	4 P.M.
A maximum at	15	or	7 A.M.
A minimum at	19	or	11 A.M.
A maximum at	23	or	3 P.M.

TABLE XLVI.—*Excess of the Hourly Value of Vertical Force above the Monthly Mean Value.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H. M.
Noon.	-0·0036	-0·0030	-0·0018	-0·0008	-0·0009	-0·0041	-0·0011	0·0001	-0·0006	-0·0056	-0·0048	-0·0039	4 12 P. M.
1	- ·0030	- ·0027	- ·0023	- .0012	- ·0010	- ·0006	- ·0010	- ·0004	- ·0007	- ·0055	- ·0041	- ·0036	5 12 „
2	- ·0013	- ·0017	- ·0015	- .0011	- ·0010	- .0007	- ·0009	- ·0014	- ·0009	- ·0033	- ·0021	- ·0018	6 12 „
3	- ·0006	- ·0005	- ·0001	- ·0008	- ·0010	- ·0006	- ·0011	- ·0015	- ·0007	- ·0019	- ·0018	- ·0011	7 12 „
4	- ·0005	- ·0003	·0000	- ·0001	- ·0002	·0008	- ·0002	- ·0009	- ·0005	- ·0011	- ·0013	- ·0007	8 12 „
5	·0000	·0000	·0002	·0005	·0004	·0008	·0003	- ·0005	- ·0006	- ·0008	- ·0001	- ·0013	9 12 „
6	·0007	·0002	·0011	·0008	·0010	·0013	·0003	·0002	- ·0005	·0009	·0008	- ·0005	10 12 „
7	·0008	·0008	·0016	·0014	·0017	·0017	·0012	·0004	- ·0002	·0016	·0013	- ·0002	11 12 „
8	·0010	·0013	·0017	·0016	·0020	·0025	·0013	·0007	·0000	·0020	·0020	·0011	Midnight.
9	·0013	·0013	·0017	·0021	·0022	·0022	·0014	·0008	·0000	·0022	·0023	·0013	1 12 A. M.
10	·0015	·0013	·0017	·0022	·0022	·0025	·0017	·0012	·0001	·0027	·0021	·0018	2 12 „
11	·0018	·0013	·0020	·0023	·0024	·0026	·0019	·0013	·0009	·0031	·0025	·0020	3 12 „
12	·0019	·0016	·0020	·0020	·0028	·0029	·0022	·0016	·0010	·0035	·0027	·0024	4 12 „
13	·0021	·0022	·0024	·0031	·0038	·0036	·0030	·0022	·0012	·0040	·0028	·0028	5 12 „
14	·0025	·0021	·0032	·0047	·0051	·0052	·0045	·0031	·0019	·0056	·0032	·0034	6 12 „
15	·0031	·0037	·0032	·0041	·0039	·0044	·0041	·0029	·0021	·0063	·0042	·0050	7 12 „
16	·0048	·0037	·0032	·0013	·0013	·0019	·0018	·0013	·0015	·0051	·0048	·0055	8 12 „
17	·0046	·0021	·0004	- ·0022	- ·0034	- ·0012	- ·0010	- ·0012	·0004	·0017	·0032	·0040	9 12 „
18	·0007	- ·0014	- ·0025	- ·0047	- ·0052	- ·0039	- ·0036	- ·0026	- ·0005	- ·0023	·0002	- ·0002	10 12 „
19	- ·0026	- ·0031	- ·0046	- ·0055	- ·0058	- ·0053	- ·0044	- ·0032	- ·0010	- ·0042	- ·0026	- ·0036	11 12 „
20	- ·0030	- ·0031	- ·0047	- ·0054	- ·0050	- ·0052	- ·0034	- ·0027	- ·0010	- ·0035	- ·0028	- ·0038	Noon.
21	- ·0058	- ·0018	- ·0032	- ·0035	- ·0033	- ·0040	- ·0028	- ·0014	- ·0008	- ·0033	- ·0029	- ·0033	1 12 P. M.
22	- ·0042	- ·0019	- ·0016	- ·0022	- ·0024	- ·0031	- ·0020	- ·0004	- ·0003	- ·0027	- ·0043	- ·0035	2 12 „
23	- ·0045	- ·0027	- ·0016	- ·0014	- ·0012	- ·0011	- ·0014	·0000	- ·0000	- ·0025	- ·0044	- ·0036	3 12 „

TABLE XLVII.—*Showing, for the Year* 1858, *the Hours of Göttingen Mean Solar Time, about which the Mean Value of Absolute Vertical Intensity, corrected for Instrumental Errors, in each Month, was at its Diurnal Maximum and Minimum.*

Months, 1858.	The Mean Hourly Value of Absolute Vertical Intensity.						Mean Diurnal Range.	The Time at which the Mean Hourly Value of Vertical Intensity was at its					
	Morning 2nd Maximum.	Mid-day 2nd Minimum.	Evening Maximum.	Evening Minimum.	First Morning Maximum.	First Morning Minimum.		Morning 2nd Maximum.	Mid-day 2nd Minimum.	Evening Maximum.	Evening Minimum.	First Morning Maximum.	First Morning Minimum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H.	H.	H.	H.	H.	H.
January	2·7918	2·7812	2·7828	2·7825			0·0106	16	21	22	23		
February	·7778	·7710	·7723	·7711			·0068	16	20	21	24		
March	·7774	·7695	·7726	·7719			·0079	16	20	22	1		
April	·8095	·7993	·8040	·8036	2·8071	2·8068	·0102	14	19	24	1	11	12
May	·8156	·8047	·8096	·8095			·0109	14	19	24	1		
June	·8128	·8021	·8068	·8067	·8099	·8096	·0107	14	19	1	2	8	9
July	·8370	·8281	·8316	·8314			·0089	14	19	2	3		
August	·8211	·8148	·8181	·8165			·0063	14	19	24	3		
September	·8019	·7988	·7998	·7989			·0031	15	20	23	2		
October	·7970	·7865	·7882	·7851			·0119	15	19	23	24		
November	·8163	·8067					·0096	16	24				
December	·8432	·8339	·8344	·8338	·8370	·8364	·0094	16	20	21	24	4	5

TABLE XLVIII.—*Daily Range of Vertical Force of the Earth as obtained from the Hourly Scale Readings of Vertical Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	0·0117	0·0081	0·0085			0·0121	0·0111	0·0073	0·0056	0·0224		0·0080
2		·0084	·0111	0·0090	0·0086	·0122	·0142	·0051	·0041		0·0148	·0085
3	·0053	·0082	·0102		·0110	·0104		·0065	·0035	·0146	·0118	·0124
4	·0112	·0121	·0094	·0130	·0092	·0097	·0130	·0065		·0192	·0128	
5	·0111	·0103	·0075	·0110	·0114		·0125	·0081	·0061	·0175		·0125
6	·0092			·0151	·0117	·0127	·0133	·0043	·0051	·0168		·0126
7	·0126	·0117	·0113	·0105	·0108	·0142	·0124		·0036	·0158	·0109	·0101
8	·0181	·0078	·0099	·0104	·0099	·0121	·0107	·0077	·0029	·0140	·0103	·0110
9	·0097	·0088	·0109	·0168		·0120	·0098	·0088	·0026		·0152	·0178
10		·0084	·0088	·0130	·0091	·0090		·0121	·0050	·0188	·0181	·0159
11	·0140	·0089	·0067		·0135	·0095	·0113	·0107		·0181	·0150	
12	·0090	·0085	·0140	·0104	·0121		·0071	·0093	·0016	·0144	·0139	·0124
13	·0094		·0087	·0123	·0142	·0096	·0132	·0094	·0042	·0113		·0163
14	·0115	·0072		·0107	·0111	·0089	·0073		·0065	·0125	·0142	·0136
15	·0117	·0053	·0114	·0099		·0103	·0114	·0097	·0069	·0113	·0134	·0109
16		·0117	·0115	·0131	·0100	·0106	·0194	·0077	·0061		·0152	·0088
17	·0085	·0073	·0114		·0112	·0108		·0073	·0052	·0150	·0128	·0116
18	·0127	·0103	·0106	·0099	·0087	·0086	·0122	·0041		·0144	·0115	
19	·0182	·0093	·0105	·0079	·0126		·0107	·0046	·0038	·0121	·0180	·0149
20	·0131			·0084	·0127	·0119	·0136	·0069	·0054	·0180		·0180
21	·0160	·0098	·0134	·0101	·0103	·0123	·0064		·0053	·0182	·0188	·0091
22	·0095	·0091	·0084	·0126		·0113	·0060		·0070	·0159	·0095	·0113
23		·0083	·0100	·0112		·0073	·0053	·0063	·0070		·0085	·0113
24	·0069	·0120	·0072		·0174	·0104		·0092	·0079	·0131	·0084	
25	·0148		·0093	·0123	·0136	·0144	·0102	·0086		·0149	·0077	
26	·0135	·0138	·0130	·0138	·0117		·0108	·0092	·0036	·0155	·0121	·0137
27	·0136	·0110		·0135	·0100	·0276	·0076	·0100	·0043	·0231	·0109	·0145
28	·0147		·0135	·0107	·0104	·0136	·0120	·0078	·0027	·0170		·0154
29	·0140		·0102	·0085	·0108	·0121	·0088		·0073	·0100	·0136	·0098
30			·0126	·0096		·0122	·0094	·0032	·0038		·0176	·0103
31	·0102		·0100		·0110			·0063				
Monthly Mean.	0·0119	0·0103	0·0104	0·0113	0·0113	0·0118	0·0108	0·0076	0·0056	0·0158	0·0131	0·0124

Mean Value for Summer. For Winter.

TABLE XLIX.—*Showing, for the Year* 1858, *the Hours of Göttingen Mean Time, at which the Value of Vertical Intensity, uncorrected in Simple Hourly Observations of Vertical Force Magnetometer, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Hourly Value of Vertical Intensity uncorrected.		Extreme Range.	The Time at which the Hourly Value of Vertical Intensity was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	En. Un.	En. Un.	En. Un.	D. H.	D. H.
January	2·7943	2·7619	0·0324	27–16	14–19
February	·7949	·7715	·0234	7–16	26–19
March	·7916	·7618	·0298	2–16	28–20
April	·7990	·7766	·0224	4–15	7–19
May	·7961	·7694	·0267	17–14	25–19
June	·8464	·7729	·0735	28–14	17–21
July	·8444	·8152	·0292	30–15	19– 3
August	·8460	·8311	·0149	24–14	15–19
September	·8684	·8370	·0314	29–14	24 Noon.
October	·8058	·7373	·0685	27–16	1–13
November	·7983	·7655	·0328	30–17	12–22
December	·8230	·7876	·0354	20–16	2–19

TABLE L.—*Mean Temperature of Air as shown by the Attached Thermometer of Vertical Force Magnetometer, for each Day of Göttingen Mean Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	76°6	79°8	*78°0			85°6	85°4	81·8	83°5	83·0		80·1
2		80·4	77·4	83°6	89°1	84·7	85·8	81·7	83·0		83°8	79·5
3	77·3	79·7	78·2		88·7	85·7		81·5	84·0	85·2	82·7	79·3
4	76·1	77·6	78·7	84·7	88·4	87·0	86·4	81·6		85·5	82·3	
5	75·4	75·8	78·7	85·3	88·6		86·2	82·1	84·6	84·6		81·0
6	75·5			86·3	88·9	85·1	85·6	82·1	84·8	85·0		80·3*
7	75·7	73·6	80·2	87·4	88·7*	85·5	83·4		84·4	85·3	83·1	78·4
8	75·3*	75·6	81·6	86·4	88·9*	86·9	82·8	82·5	84·2	85·5	83·2	78·6
9	75·2*	76·1	81·6	86·2*		87·6	82·7	82·4	84·4		83·2	78·9
10		76·6	80·6	85·7*	88·9	87·9		81·7	81·5	84·6	82·7	80.3
11	77·4	76·3	80·4		89·2	88·6	83·1	82·6		84·0	81·9	
12	79·4	76·0	82·0*	85·5	89·1		82·8	83·4	79·6	84·7	81·5	80·2
13	79·8		83·1*	85·3	88·6	88·8	81·6	83·2	80·3	84·0		80·0
14	80·6	76·7		84·9	88·8	89·4	82·0		81·7	83·9	81·3	79·8
15	80·4	77·6	83·7	84·9		89·6	81·4	83·5	82·4	83·8	81·2	78·9
16		77·8	83·4	85·3	86·7	89·6	81·1	83·4	83·1		81·0	78·7
17	77·5	78·4	82·5		86·6	89·5		83·2	82·3	84·3	80·3	77·3
18	75·7	77·4	82·2	86·2	86·4	88·9	82·8	83·1		83·5	79·9	
19	74·7	76·3	83·7	86·5	86·7		83·8	83·4	81·3	84·6	80·4	75·6
20	73·8			86·9	86·2	85·7	83·1	83·4	82·0*	84·2		76·7
21	72·8	79·0	84·1	87·6	87·1	85·1	83·3		81·5*	83·3	81·1	77·6
22	74·3	80·4	84·8	88·1		85·1	83·3	82·9	82·0*	83·8	81·2	78·4
23		81·0	84·6	88·8		84·8*	83·6	81·7	82·0		82·3	77·9
24	77·2	80·5	84·2		87·8	81·5*		82·2	82·7*	83·4	82·6	
25	73·9		75·1	87·9	88·2	82·3	82·5	82·1*		82·4	83·7	
26	71·7	79·7	84·7	87·7	87·9		82·4	83·1	82·5	82·3	83·8	78·9
27	71·9	78·9		86·8	88·2	84·0	81·4	83·7	82·6	82·2	83·3	79·1
28	74·0		82·8*	87·3	88·4	84·2	82·2		82·8	82·8		79·0
29	76·8		83·6*	88·1	87·5	83·4	82·1	82·8	83·3	83·2	81·6	76·8
30			84·0	89·1		83·7	82·9	82·1	83·1		80·7	77·5
31	79·3		83·7		87·1							

* This sign denotes Abnormal days, or the days on which Magnetic Disturbances occured.

TABLE LI.—*Showing, for each Month, the Mean Temperatue of Air within the Box of Vertical Force Magnetometer; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Value of the Temperature of Air in the Box of Vertical Force.	Difference from the Mean of the Year.	FOR SEASONS.
January	76°2	− 6°3	Mean of {Jan. Feb. Mar. / Oct. Nov. Dec.} or Winter .... 80°2
February	77·9	− 4·6	
March	82·2	− 0·3	
April	86·6	4·1	Mean of {Apr. May, June, / July, Aug. Sept.} or Summer .... 84·9
May	88·0	5·5	
June	86·4	3·9	Mean of the year ..... 82·5
July	83·2	0·7	
August	82·6	0·1	
September	82·8	0·3	Greatest monthly mean, in May ..... 88·0
October	84·0	1·5	Least monthly mean, in January ..... 76·2
November	82·0	− 0·5	
December	78·7	− 3·8	Difference ..... 11·8

TABLE LII.—*Mean Temperature of Air by the Attached Thermometer of Vertical Force, in each Month, for each Hour of Göttingen Mean and Bombay Time.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
													H. M.
Noon.	79°2	81°0	84°7	88°9	90°1	88°0	84°4	83°9	84°4	86°3	85°0	81°1	4 12 P.M.
1	78·6	80·5	84·2	88·4	89·8	87·9	84·1	83·5	84·1	85·8	84·4	80·6	5 12 „
2	78·0	79·7	83·6	87·9	89·1	87·4	83·6	83·2	83·6	85·2	83·6	80·2	6 12 „
3	77·6	79·2	83·1	87·4	88·6	87·0	83·6	82·9	83·2	84·9	83·2	79·8	7 12 „
4	77·2	78·8	82·7	87·0	88·3	86·7	83·5	82·7	83·0	84·5	82·8	79·4	8 12 „
5	76·8	78·4	82·2	86·6	87·9	86·5	83·3	82·6	82·8	84·2	82·4	79·1	9 12 „
6	76·4	78·0	82·0	86·3	87·7	86·2	83·1	82·5	82·6	83·9	82·1	78·8	10 12 „
7	76·0	77·6	81·8	86·1	87·5	86·0	83·0	82·4	82·4	83·7	81·7	78·4	11 12 „
8	75·7	77·4	81·6	85·8	87·2	85·8	82·8	82·3	82·3	83·5	81·4	78·1	Midnight.
9	75·4	77·1	81·3	85·6	87·1	85·6	82·7	82·2	82·2	83·3	81·1	77·9	1 12 A.M.
10	75·0	76·8	81·1	85·4	86·9	85·5	82·6	82·1	82·1	83·1	80·9	77·7	2 12 „
11	74·8	76·6	80·9	85·2	86·6	85·4	82·5	81·9	81·9	82·9	80·8	77·5	3 12 „
12	74·5	76·3	80·7	85·0	86·6	85·3	82·3	81·8	81·8	82·7	80·5	77·2	4 12 „
13	74·2	75·9	80·6	84·8	86·5	85·2	82·3	81·7	81·7	82·5	80·2	76·9	5 12 „
14	74·0	75·7	80·4	84·5	86·3	85·0	82·2	81·5	81·7	82·2	79·9	76·6	6 12 „
15	73·7	75·3	80·1	84·6	86·3	84·9	82·3	81·4	81·7	82·0	79·6	76·3	7 12 „
16	73·7	75·4	80·3	85·0	86·7	85·2	82·4	81·4	81·9	82·1	79·7	76·3	8 12 „
17	74·0	75·8	80·8	85·5	87·3	85·7	82·7	81·9	82·1	82·6	80·2	77·0	9 12 „
18	74·9	76·8	81·6	86·5	87·9	86·2	83·0	82·4	82·5	83·3	80·9	77·8	10 12 „
19	76·0	77·8	82·4	87·2	88·4	86·9	83·5	82·9	83·0	84·1	82·1	78·7	11 12 „
20	76·9	78·8	83·2	87·7	88·9	87·4	83·8	83·3	83·5	84·8	83·1	79·6	Noon.
21	77·9	79·6	83·8	88·5	89·4	87·8	84·1	83·6	84·0	85·4	84·0	80·4	1 12 P.M.
22	78·7	80·3	84·4	88·7	89·8	88·0	84·4	83·9	84·3	85·9	84·7	81·0	2 12 „
23	79·3	80·7	84·7	89·2	89·9	88·2	84·5	84·1	84·5	86·3	85·0	81·3	3 12 „
Diurnal Range.	5.6	5·4	4·6	4·7	3·8	3·3	2·3	2·7	2·8	4·3	5·4	5·0	

TABLE LIII.—*Showing, for the Year* 1858, *the Mean Temperature of Air confined within the Box of Vertical Force Magnetometer, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Air within the Box of the Vertical Force.	Difference from the Mean of the Whole.
	H. M.		
Noon.	4 12 P. M.	84°7	2°2
1	5 12 „	84·3	1·8
2	6 12 „	83·8	1·3
3	7 12 „	83·4	0·9
4	8 12 „	83·1	0·6
5	9 12 „	82·7	0·2
6	10 12 „	82·5	0·0
7	11 12 „	82·2	− 0·3
8	0 12 A. M.	82·0	− 0·5
9	1 12 „	81·8	− 0·7
10	2 12 „	81·6	− 0·9
11	3 12 „	81·4	− 1·1
12	4 12 „	81·2	− 1·3
13	5 12 „	81·0	− 1·5
14	6 12 „	80·8	− 1·7
15	7 12 „	80·7	− 1·8
16	8 12 „	80·8	− 1·7
17	9 12 „	81·3	− 1·2
18	10 12 „	82·0	− 0·5
19	11 12 „	82·8	0·3
20	0 12 P. M.	83·4	0·9
21	1 12 „	84·0	1·5
22	2 12 „	84·5	2·0
23	3 12 „	84·8	2·3

FOR DAY AND NIGHT.

Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night ..... 82°2

Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day ..... 82·8

Mean..... 82·5

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A minimum at	15 or	7 A.M.
A maximum at	23 or	3 P.M.

TABLE LIV.—*Excess of the Mean Hourly Temperature of Attached Thermometer of Vertical Force Magnetometer above the Monthly Mean.*

Göttingen Mean Solar Time.	MONTHS, 1858.												Bombay Civil Time.
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	H. M.
Noon.	3°0	3°1	2°5	2°3	2°1	1°6	1°2	1°4	1°6	2°3	3°0	2°5	4 12 P. M.
1	2·5	2·6	2·0	1·8	1·8	1·5	0·9	0·9	1·3	1·9	2·4	2·0	5 12 „
2	1·8	1·8	1·4	1·3	1·1	1·0	0·7	0·6	0·8	1·3	1·6	1·5	6 12 „
3	1·4	1·3	0·9	0 8	0·6	0·6	0·4	0·3	0·4	0·9	1·2	1·1	7 12 „
4	1·0	0·9	0·5	0·4	0·3	0·3	0·2	0·1	0·2	0·5	0·8	0·8	8 12 „
5	0·6	0·5	0·0	0·0	0·1	0·1	0·1	0·0	0·0	0·3	0·4	0·4	9 12 „
6	0·1	0·1	- 0·2	- 0·3	- 0·3	- 0·2	- 0·1	- 0·1	- 0·2	- 0·1	0·0	0·1	10 12 „
7	- 0·1	- 0·2	- 0·4	- 0·5	- 0·5	- 0·4	- 0·2	- 0·2	- 0·4	- 0·3	- 0·4	- 0·3	11 12 „
8	- 0·5	- 0·5	- 0·6	- 0·8	- 0·8	- 0·6	- 0·4	- 0·3	- 0·5	- 0·5	- 0·7	- 0·5	Midnight.
9	- 0·7	- 0·8	- 0·9	- 1·0	- 0·9	- 0·8	- 0·5	- 0·4	- 0·6	- 0·7	- 0·9	- 0·7	1 12 A. M.
10	- 1·2	- 1·1	- 1·1	- 1·2	- 1·1	- 0·9	- 0·6	- 0·5	- 0·7	- 0·9	- 1·1	- 1·0	2 12 „
11	- 1·4	- 1·3	- 1·3	- 1·4	- 1·4	- 1·0	- 0·8	- 0·7	- 0·8	- 1·1	- 1·3	- 1·2	3 12 „
12	- 1·6	- 1·6	- 1·5	- 1·6	- 1·4	- 1·1	- 0·9	- 0·8	- 1·0	- 1·3	- 1·5	- 1·5	4 12 „
13	- 2·0	- 1·9	- 1·6	- 1·8	- 1·5	- 1·3	- 0·9	- 0·9	- 1·1	- 1·5	- 1·8	- 1·8	5 12 „
14	- 2·2	- 2·2	- 1·8	- 2·1	- 1·7	- 1·4	- 1·0	- 1·1	- 1·1	- 1·8	- 2·1	- 2·1	6 12 „
15	- 2·5	- 2·6	- 2·1	- 2·0	- 1·6	- 1·5	- 0·9	- 1·2	- 1·1	- 2·0	- 2·4	- 2·4	7 12 „
16	- 2·5	- 2·5	- 1·9	- 1·6	- 1·3	- 1·2	- 0·8	- 1·2	- 0·9	- 1·8	- 2·3	- 2·3	8 12 „
17	- 2·1	- 2·1	- 1·4	- 1·1	- 0·7	- 0·7	- 0·5	- 0·7	- 0·7	- 1·4	- 1·8	- 1·6	9 12 „
18	- 1·2	- 1·1	- 0·6	- 0·1	- 0·1	- 0·2	- 0·2	- 0·2	- 0·3	- 0·7	- 1·1	- 0·8	10 12 „
19	- 0·2	- 0·1	0·2	0·6	0·5	0·5	0·3	0·3	0·2	0·1	0·0	0·0	11 12 „
20	0·8	1·1	1·0	1·1	0·9	1·0	0·6	0 8	0·7	0·8	0·9	1·0	Noon.
21	1·7	1·8	1·6	1·9	1·4	1·4	0·9	1·0	1·2	1·4	2·0	1·7	1 12 P. M.
22	2·5	2·5	2·2	2·1	1·8	1·6	1·2	1·3	1·5	1·9	2·7	2·4	2 12 „
23	3·1	2·9	2·5	2·6	1·9	1·8	1·3	1·5	1·7	2·3	3·0	2·6	3 12 „

TABLE LV.—*Showing, for the Year* 1858, *the Hours of Göttingen Time at which the Mean Temperature of Air within the Box of Vertical Force, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Air within the Box of Vertical Force.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Vertical Force Thermometer was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	79°3	73°7	5°6	23	15
February	81·0	75·3	5·4	24	15
March	84·7	80·1	4·6	24	15
April	89·2	84·5	4·7	23	14
May	90·1	86·3	3·8	24	14
June	88·2	84·9	3·3	23	15
July	84·5	82·2	2·3	23	14
August	84·1	81·4	2·7	23	15
September	84·5	81·7	2·8	23	14
October	86·3	82·0	4·3	23	15
November	85·0	79·7	5·3	23	15
December	81·3	76·3	5·0	23	15

TABLE LVI.—*Showing, for each Month, the Mean Value of Total Intensity, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Monthly Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS..
	En. Un.	En. Un.	En. Un.
January	8·489	–0·013	
February	·490	– ·012	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter .. 8·499
March	·491	– ·011	
April	·504	·002	
May	·510	·008	Mean of {April, May, June, July, Aug. Sept.} or Summer .. 8·506
June	·506	·004	
July	·510	·008	Mean of the year ..... 8·502
August	·507	·005	
September	·501	– ·001	Greatest monthly mean, in December ..... 8·514
October	·498	– ·004	Least monthly mean, in January ..... 8·489
November	·509	·007	
December	·514	·012	Difference.... 0·025

TABLE LVII.—*Showing, for each Month, the Mean Value of Total Intensity, corrected for the Effects of Air and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Monthly Value of Total Intensity.	Difference from the Mean of the Year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8·500	– 0·002	
February	·498	– ·004	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter..... 8·503
March	·491	– ·011	
April	·496	– ·006	
May	·500	– ·002	Mean of {April, May, June, July, Aug. Sept.} or Summer ..... 8·501
June	·499	– ·003	
July	·508	·006	Mean of the year ..... 8·502
August	·506	·004	
September	·500	– ·002	
October	·496	– ·006	Greatest monthly mean, in December ..... 8·522
November	·511	·009	Least monthly mean, in March ..... 8·491
December	·522	·020	
			Difference ..... 0·031

TABLE. LVIII.—*Showing, for the Year* 1858, *the Mean Values of Total Intensity, for each Hour of Götingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Values of Total Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4·12 P. M.	8·501	− 0·001
1	5·12 „	·499	− ·003
2	6·12 „	·497	− ·005
3	7·12 „	·496	− ·006
4	8·12 „	·496	− ·006
5	9·12 „	·496	− ·006
6	10·12 „	·496	− ·006
7	11·12 „	·497	− ·005
8	0·12 A. M.	·498	− ·004
9	1·12 „	·499	− ·003
10	2·12 „	·499	− ·003
11	3·12 „	·499	− ·003
12	4·12 „	·500	− ·002
13	6·12 „	·500	− ·002
14	5·12 „	·501	− ·001
15	1·12 „	·502	·000
16	8·12 „	·506	·004
17	9·12 „	·510	·008
18	10·12 „	·514	·012
19	11·12 „	·515	·013
20	0·12 P. M.	·514	·012
21	1·12 „	·511	·009
22	2·12 „	·508	·006
23	3·12 „	·505	·003

FOR DAY AND NIGHT.

	En. Un.
Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night..	8·498
Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day..	8·507
Mean.....	8·502

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A minimum at about	3 or 7	P. M.
A maximum at about	19 or 11	A. M.

TABLE LIX.—*Showing, for the Year* 1858, *the Mean Value of Total Intensity, corrected for the Effects of Circumambient Air, for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity corrected.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P. M.	8·493	− ·009
1	5 12 „	·494	− ·008
2	6 12 „	·496	− ·006
3	7 12 „	·496	− ·006
4	8 12 „	·497	− ·005
5	9 12 „	·498	− ·004
6	10 12 „	·499	− ·003
7	11 12 „	·501	− ·001
8	0 12 A. M.	·503	·001
9	1 12 „	·504	·002
10	2 12 „	·505	·003
11	3 12 „	·505	·003
12	4 12 „	·507	·005
13	5 12 „	·507	·005
14	6 12 „	·508	·006
15	7 12 „	·507	·005
16	8 12 „	·508	·006
17	9 12 „	·509	·007
18	10 12 „	·510	·008
19	11 12 „	·508	·006
20	0 12 P. M.	·506	·004
21	1 12 „	·502	·000
22	2 12 „	·498	− ·004
23	3 12 „	·495	− ·007

FOR DAY AND NIGHT.

	En. Un.
Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night....	8·501
Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day....	8·503
Mean.....	8·502

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G.M.T.	B.C.T.
A minimum at	Noon or 4	P. M.
A maximum at	14 or 6	A. M.
A minimum at	15 or 7	A. M.
A maximum at	18 or 10	A. M.

SUMMARY OF THE MAGNETIC RESULTS.

THE following lines on the Summary of Results will show at a glance the general characteristics of all the magnetic elements during the year 1858:—

DECLINATION.

Mean daily Values of Declination dwindle between 21′2 and 17′1. The difference between the mean daily values of two consecutive days never exceeds 2′0, but generally remains between 0′1 and 0′5.

Mean declination, in simple hourly observations, was not above 26·8, or below 13·3.

The Mean Annual Declination was 19·803, being about 2·643, higher than the Mean Declination of the last twelve years.

Daily Range of Declination never exceeds 10′0 of arc, but generally remains between 1′0 and 6′0.

The times of minima and maxima occur generally at about +1h. —3h. +9h. — 12h. +16h. —20h.; in which + denotes maximum, and — minimum.

The combination of observations taken at noon and 1h., 6h., and 17h., will give the results near enough to the mean value for any day.

Declination Magnet goes four times on each side of its mean position in Winter, but only twice in Summer; and in the month of March and October six meridian passages are observed in the diurnal run of the Declinometer.

A Fall in Declination is generally observed between noon and 3h.; a rise between 3h. and 8h., and a fall between 8h. and 14h.; a rise between 14h. and 16h.; a fall between 16h. and 20h., and afterwards a slow rise.

HORIZONTAL FORCE.

The mean daily Values of Horizontal Intensity corrected during this year did not exceed 8·04 English Units, nor were they less than 7·97 English Units. The difference between the mean daily values of two consecutive days did not exceed 0·05 English Units, but was generally less than 0·006 English Units.

During the year 1858 the extreme values of Horizontal Force, in simple hourly observations, were 8·063 and 7·974 English Units.

Mean Annual Intensity was 8·0264 English Units, being about 0·0404 English Units higher than the mean of the last twelve years.

Daily range of the Horizontal Force does not exceed 0·06 English Units, but generally remains between 0·12 and 0·28 English Units. The mean monthly range was always greater than 0·02 English Units.

The times of maxima and minima — 0h. + 2h. — 4h. + 14h. — 16h. + 18h.; in this + denotes maximum, and — minimum.

The combination of observations taken at noon and 15h. will give results near enough to the true mean of any day.

It was observed that the Horizontal Force Magnet generally passed its mean magnetic position twice in a day, but in certain instances it took more than two passages.

Absolute Values of Intensity fall from noon to 5h., rise from 5h. to 19h., and afterwards fall again till the close of the day.

VERTICAL FORCE.

Mean daily values of Vertical Intensity during this year were not greater than 2·86 English Units, nor were less than 2·77 English Units, the difference between the mean daily values of two consecutive days did not exceed 0·030 English Units, and was generally less than 0·006 English Units.

It appears, from the simple hourly observations, that the Vertical Intensity ranges between 2·87 and 2·76 English Units.

Mean Annual Intensity was 2·804, being about 0·064 higher than the mean of the last twelve years.

Daily range of Vertical Intensity did not exceed 0·030 English Units, and in most instances it was less than 0·015 English Units.

The times of maxima and minima were — 0h. + 8h. — 9h. + 15h. — 19h. + 23h.

The vertical Force Magnet generally goes twice daily on each side of its mean position, the hours being 5h. and 17h.

In Winter the Scale Readings of Vertical Force generally increase from 2h. to 14h., decrease from 15h. to 19h., increase from 20h. to 23h., and decrease from noon to 2h., in Summer they increase from 1h. to 16h., and decrease from 17h. to 24h.

DIP.

Mean daily values of Dip during this year were not greater than 19°36′ nor less than 18°56′. The difference between the mean daily values of two consecutive days did not exceed 12′ and was generally less than 5′.

It appears, from the simple hourly observations that the deduced Dip ranges between 19°43′ and 18°57′.

Mean Annual Dip was 19°15′7, which was about 19′3 higher than the mean Dip of the last twelve years.

The daily range of deduced Dip did not exceed 19′ and was in most cases less than 8′.

The time of maxima and minima were + 14h. — 19h. in which the sign + denotes maximum, and—minimum.

Observations of Dip taken at 4h. and 17h. will give approximate result to the mean value of any day.

In the diurnal variations of deduced Dip in Summer, a rise in value is generally observed from 1h. to 16h., and a fall between 16h. and 20h., and afterwards a rise. In Winter, a fall is observed in the values of Dip between 16h. and 20h., and in the remaining hours of the day a general rise.

TOTAL INTENSITY.

Two maxima and two minima were apparent in the diurnal fluctuations of Total Force. If the mean total force of any day is to be ascertained from two observations of Magnetometers taken daily, the time considered as best for doing so is 2h. and 14h., Göttingen Time.

The mean annual total Force of the Earth was 8·502 English Units, which was about 0·019 higher than the mean annual force of the last three years.

The following remarks have been abstracted from the mean values of Magnetic elements given in the preceding pages. Assuming the values given in the preceding tables as correct, the following remarks will show the general character of all the Magnetic elements.

I. From the constancy of the mid-day maximum of Horizontal Force and minimum of Declination, it would appear that the magnetism of the Earth is affected by solar heat.

II. The changes of the magnetic elements which occur during the daytime are quite perceptible, but those of the night are not so, this also proves that the magnetism of earth is affected by solar heat.

III. All the magnetic forces are annually increasing by small quantity, but this increase is not regular: this would be seen by reference to the following tables.

DIURNAL CHANGES.

In the following figures + denotes maximum, and the sign — denotes minimum :—

Declination	+1	−3	+9	−12	+16	−20
Horizontal Force..	−0	+2	−4	+14	−16	+18
Vertical Force....	−0	+8	−9	+15	−19	+23
Dip	*	*	*	+14	−19	*
Total Force.....	−0	*	*	+14	−15	+18

TABLE LX.—*Showing the Changes of the Magnetic Elements, during the Year* 1858, *reduced from the separate Results of each Element in the preceding pages.*

Names of Magnetic Elements.	Diurnal Ranges.			Periodical Changes.			Difference of Absolute Values between Day and Night.		
	Summer.	Winter.	Mean Range.	Mean Value in Summer.	Mean Value in Winter.	Annual Mean.	Mean Value for Day.	Mean Value for Night.	Difference
Declination	5′140	2′096	3′618	19′467	20′139	19′803	19′726	19′874	0′148
Horizontal Force.....	0·0148	0·0193	0·0171	8·0234	8·0295	8·0264	8·0277	8·0250	0·0027
Vertical Force	0·0083	0·0094	0·0089	2·8122	2·7959	2·8040	2·8032	2·8049	0·0017
Dip (deduced).....	5·3	5·2	5·2	19·18·1	19·13·3	19·15·7	19·14·7	19·16·6	1·9
Total Force.....	....	....	0·017	8·501	8·503	8·502	8·503	8·501	0·002

It appears from this table that the Diurnal Ranges of all the magnetic elements are not of equal nature, Declination and Dip range were higher in Summer than in Winter but the case was contrary in Horizontal and Vertical Force range. The daily mean Values of Declination, Horizontal Force, and Total Force, were larger in Winter than in Summer, but the case was contrary with Vertical Force and Dip. The mean Hourly Values were larger at night than by day but the case was contrary with Horizontal and Total Force.

TABLE LXI.—*Showing, in each Month, the Excess of the Absolute Monthly Values of Declination, Horizontal Force, and Dip above the Mean Annual Values of each Element.*

Name of the Elements.	Year.	MONTHS. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
DECLINATION (*in Arc.*)	1847	- 0·119	+ 0·056	+ 0·202	+ 0·096	- 0·113	- 0·504	- 0·659	- 0·221	- 0·167	+ 0·447	+ 0·473	+ 0·503
	1848	+ ·341	+ ·286	+ ·353	+ ·836	+ ·785	- ·498	- ·596	- ·486	- ·236	- ·211	- ·403	- ·169
	1849	- ·776	- ·301	- ·318	- ·054	+ ·326	- ·294	- ·252	- ·268	- ·181	+ ·470	+ ·623	+ ·771
	1850	- ·168	+ ·041	+ ·198	+ ·024	- ·118	- ·140	- ·260	- ·349	- ·189	+ ·171	+ ·297	+ ·485
	1851	- ·688	- ·461	- ·606	- ·525	- ·514	- ·958	- 1·481	+ ·156	+ 1·554	+ 1·597	+ 1·719	+ ·212
	1852	+ ·002	+ 1·154	+ 1·199	+ 1·254	- ·169	- ·770	- 0·939	- ·994	- 0·691	- 0·405	+ 0·181	+ ·174
	1853	- ·162	+ ·515	+ 0·644	- ·116	+ ·345	- ·349	- ·518	- ·449	- ·459	+ ·168	+ ·693	+ ·780
	1854	+ ·829	+ ·994	+ ·674	+ ·397	+ ·045	- ·303	- 1·311	- 1·271	- 1·244	+ ·703	+ ·005	+ ·481
	1855	- ·216	- ·016	+ ·043	+ ·040	+ ·234	+ ·010	- 0·114	- 0·032	- 0·306	- ·005	+ ·192	+ ·173
	1856	- ·236	+ ·037	- ·244	- ·370	- ·108	- ·173	- ·514	+ ·022	- ·074	+ ·223	+ ·646	+ ·848
	1857	+ ·523	+ 0·743	+ ·727	+ 0·239	+ ·413	+ ·531	- 1·218	- ·417	- 0·419	- 1·220	- 0·582	- ·317
	1858	+ ·186	+ ·036	+ ·342	+ ·330	- ·072	- ·083	- ·743	- ·973	- ·501	+ ·051	+ ·546	+ ·855
HORIZONTAL FORCE (*corrected.*)		En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
	1847	+ 0·003	+ 0·001	- 0·002	- 0·003	- 0·003	- 0·001	- 0·001	+ 0·000	+ 0·001	- 0·001	+ 0·002	+ 0·004
	1848	- ·005	- ·001	- ·002	- ·005	- ·004	+ ·000	- ·001	+ ·001	+ ·005	+ ·000	+ ·001	+ ·005
	1849	+ ·004	+ ·002	+ ·000	- ·002	- ·007	- ·003	+ ·000	+ ·000	+ ·001	- ·003	- ·003	+ ·008
	1850	+ ·005	+ ·003	- ·001	- ·004	- ·006	- ·005	- ·003	- ·001	- ·000	- ·003	+ ·005	+ ·011
	1851	+ ·015	+ ·003	- ·003	- ·006	- ·007	- ·001	+ ·002	+ ·001	- ·006	- ·005	+ ·003	+ ·007
	1852	+ ·008	+ ·000	- ·006	- ·008	- ·009	- ·005	- ·002	+ ·003	- ·000	+ ·001	+ ·005	+ ·012
	1853	- ·005	- ·018	- ·006	- ·004	- ·009	- ·006	+ ·011	+ ·019	+ ·000	+ ·003	+ ·004	+ ·001
	1854	- ·008	- ·003	- ·007	- ·014	- ·013	- ·005	+ ·000	+ ·003	+ ·007	+ ·009	+ ·016	+ ·019
	1855	- ·005	- ·006	- ·006	- ·006	- ·008	- ·004	- ·002	+ ·000	+ ·004	+ ·005	+ ·011	+ ·018
	1856	+ ·011	+ ·010	+ ·001	- ·007	- ·012	- ·008	+ ·006	+ ·000	- ·005	- ·008	+ ·003	+ ·008
	1857	+ ·003	+ ·003	- ·001	- ·002	- ·007	- ·002	- ·004	- ·001	- ·003	- ·001	+ ·003	+ ·012
	1858	+ ·004	+ ·004	- ·002	- ·008	- ·005	- ·004	- ·003	+ ·000	+ ·001	- ·002	+ ·007	+ ·008
VERTICAL FORCE (*corrected.*)		En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
	1847	- 0·054	- 0·027	- 0·012	- 0·008	- 0·001	+ 0·018	+ 0·014	+ 0·008	+ 0·016	+ 0·017	+ 0·015	+ 0·013
	1848	- ·011	- ·005	- ·001	- ·002	- ·003	- ·003	+ ·010	+ ·009	+ ·000	- ·002	+ ·000	+ ·004
	1849	- ·007	- ·015	- ·010	- ·008	- ·002	- ·003	+ ·000	- ·005	- ·008	+ ·017	+ ·013	+ ·026
	1850	- ·033	- ·021	- ·043	- ·042	- ·054	- ·082	- ·059	- ·014	+ ·032	+ ·053	+ ·118	+ ·146
	1851	- ·010	+ ·007	+ ·007	- ·009	+ ·004	+ ·000	- ·020	- ·024	- ·008	- ·038	+ ·015	+ ·039
	1852	+ ·036	+ ·018	- ·002	- ·016	- ·016	- ·044	- ·042	- ·024	- ·002	- ·020	+ ·051	+ ·064
	1853	- ·005	+ ·047	+ ·023	+ ·015	+ ·000	- ·016	- ·009	+ ·038	- ·029	- ·032	- ·024	- ·010
	1854	- ·003	+ ·033	+ ·028	+ ·004	+ ·008	+ ·018	+ ·014	+ ·010	- ·007	- ·024	- ·024	- ·057
	1855	- ·057	- ·035	- ·018	- ·007	- ·007	- ·024	- ·012	+ ·039	+ ·036	+ ·020	+ ·033	+ ·032
	1856	+ ·000	+ ·030	+ ·015	+ ·019	+ ·025	+ ·006	- ·010	- ·016	- ·028	- ·024	+ ·006	- ·024
	1857	- ·027	- ·025	- ·011	- ·003	- ·004	+ ·009	+ ·020	+ ·004	+ ·008	+ ·003	+ ·015	+ ·015
	1858	- ·017	- ·030	- ·030	+ ·001	+ ·007	+ ·003	+ ·029	+ ·014	- ·004	- ·013	+ ·008	+ ·034
DIP Computed from Horizontal and Vertical Intensities (*corrected.*)	1847	- 20·7	- 10·3	- 4·3	- 3·2	- 0·7	+ 6·9	+ 5·3	+ 3·0	+ 6·3	+ 6·3	+ 6·3	+ 5·2
	1848	- 2·6	- 0·7	+ 0·2	- 0·8	- 1·5	- 1·4	+ 3·9	+ 3·3	- 1·1	- 0·8	+ 0·1	+ 1·7
	1849	- 3·4	- 6·2	- 3·8	- 2·7	+ 0·1	- 0·6	+ 0·1	- 1·9	- 3·1	+ 7·1	+ 5·4	+ 9·1
	1850	- 12·1	- 7·6	- 16·5	- 16·3	- 21·2	- 31·9	- 22·7	- 5·9	+ 12·0	+ 20·1	+ 45·4	+ 54·8
	1851	- 1·3	+ 2·9	+ 1·9	- 3·3	- 0·7	- 0·7	+ 6·7	- 10·3	+ 0·3	- 13·0	+ 2·7	+ 12·9
	1852	+ 14·6	+ 7·9	+ 0·1	- 5·5	- 6·1	- 17·2	- 16·5	- 9·5	- 9·9	- 10·9	+ 19·6	+ 24·3
	1853	+ 7·9	+ 10·9	+ 14·1	+ 5·2	+ 5·2	- 2·2	- 4·8	+ 10·1	- 12·4	- 12·8	- 12·5	- 8·8
	1854	- 2·2	+ 12·3	+ 10·9	+ 1·9	+ 3·2	+ 7·3	+ 5·9	+ 4·4	- 1·2	- 7·9	- 12·9	- 21·2
	1855	- 19·8	- 12·1	- 6·0	- 1·3	- 2·4	- 9·4	- 4·4	+ 15·3	+ 13·0	+ 6·8	+ 10·9	+ 10·4
	1856	- 0·5	+ 10·9	+ 5·7	+ 5·9	+ 9·9	+ 3·0	- 3·2	- 5·6	- 10·3	- 7·9	+ 1·9	- 9·8
	1857	- 9·3	- 8·5	- 4·6	- 0·9	- 2·6	+ 2·6	+ 7·0	+ 0·1	+ 3·4	+ 1·9	+ 5·7	+ 5·7
	1858	- 6·5	- 9·8	- 11·0	+ 0·8	+ 2·0	+ 0·2	+ 9·4	+ 4·6	- 2·8	- 3·5	+ 2·4	+ 14·1
TOTAL FORCE (Computed from Horizontal Force and Dip.)		En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
	1847	- 0·013	- 0·008	- 0·006	- 0·006	- 0·003	+ 0·001	+ 0·003	+ 0·004	+ 0·006	+ 0·005	+ 0·008	+ 0·008
	1848	- ·006	- ·001	- ·001	- ·005	- ·004	+ ·000	+ ·003	+ ·005	+ ·005	+ ·000	+ ·002	+ ·008
	1849	+ ·006	- ·003	- ·003	+ ·000	- ·007	- ·004	+ ·000	- ·002	- ·002	+ ·008	+ ·002	+ ·016
	1850	- ·005	- ·003	- ·015	- ·018	- ·025	- ·033	- ·023	- ·006	+ ·010	+ ·014	+ ·045	+ ·059
	1851	+ ·015	+ ·006	- ·001	- ·009	- ·007	- ·001	+ ·008	- ·007	- ·006	- ·026	+ ·006	+ ·009
	1852	+ ·020	+ ·006	- ·007	- ·012	- ·013	- ·019	- ·014	- ·005	+ ·000	- ·003	+ ·020	+ ·033
	1853	+ ·001	- ·010	+ ·006	- ·000	- ·006	- ·008	+ ·008	+ ·029	- ·011	- ·008	- ·007	+ ·004
	1854	- ·012	+ ·006	- ·001	- ·014	- ·012	+ ·001	+ ·005	+ ·006	+ ·005	+ ·002	+ ·005	+ ·003
	1855	- ·023	- ·018	- ·011	- ·009	- ·011	- ·011	- ·006	+ ·013	+ ·015	+ ·011	+ ·021	+ ·027
	1856	+ ·012	+ ·020	+ ·005	- ·002	- ·004	- ·006	+ ·004	- ·005	- ·014	- ·014	+ ·006	+ ·001
	1857	- ·004	- ·004	- ·004	- ·003	- ·001	+ ·000	+ ·003	- ·001	+ ·001	+ ·001	+ ·008	+ ·017
	1858	- ·002	- ·004	- ·011	- ·006	- ·002	- ·003	+ ·006	+ ·004	- ·002	- ·006	+ ·009	+ ·020

TABLE LXII.—*Showing the Mean Excess of the Mean Hourly Value of Declination and Horizontal Force, above the Mean Monthly Value, in each Month, of the last Twelve Years* 1847 *to* 1858 *(inclusive.)*

DECLINATION.

Time.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.
Noon.	− 0′231	0′048	− 0′017	0′059	0′119	0′024	0′173	0′121	0′065	0′108	0′026	− 0′118
1		− ·022	− ·038	·051	·042	·040	·203	·073	·088	·043	− ·026	− ·068
2	− 0·125	− ·175	− ·236	− ·121	− ·132	− ·064	·073	− ·077	− ·013	− ·087	− ·151	− ·109
3		− ·182	− ·269	− ·218	− ·188	− ·153	− ·091	− ·147	− ·094	− ·214	− ·220	− ·126
4	− 0·161	− ·150	− ·181	− ·141	− ·199	− ·119	− ·072	− ·142	− ·087	− ·141	− ·188	− ·123
5		− ·156	− ·120	− ·078	− ·159	− ·049	− ·031	− ·001	− ·021	− ·045	− ·098	− ·044
6	− 0·064	− ·031	− ·037	·015	− ·051	·040	·063	·120	− ·003	·050	·033	·060
7		·121	·102	·061	·119	·150	·214	·233	·114	·150	·168	·147
8	0·129	·238	·207	·212	·227	·251	·209	·350	·236	·242	·215	·248
9		·265	·224	·282	·239	·274	·302	·377	·273	·276	·244	·258
10	0·161	·210	·221	·244	·272	·258	·293	·369	·271	·257	·196	·242
11		·118	·110	·133	·171	·140	·228	·213	·142	·202	·128	·171
12	0·064	·006	·024	·048	·095	·042	·152	·135	·064	·134	·035	·065
13		·080	·103	·081	·092	·070	·248	·132	·110	·152	·062	·092
14	0·771	·789	·767	·682	·590	·464	·741	·426	·503	·518	·474	·552
15		1·451	1·344	1·335	1·220	·944	1·117	·916	·990	·883	·982	1·178
16	1·578	·755	·639	·610	·428	1·233	·122	1·073	1·161	1·089	1·174	·481
17		·287	·255	·223	·001	0·912	0·637	0·638	0·882	0·786	0·803	·185
18	− 0·067	0·161	0·234	0·212	0·104	·107	− ·268	− ·126	− ·029	− ·118	− ·010	0·221
19		− 1·103	− ·909	− ·997	− ·949	− ·845	− ·868	− 1·013	− ·941	− 1·086	− ·880	− ·922
20	− 1·668	− ·736	− 1·609	− 1·684	− 1·527	− ·378	− 1·606	− ·343	− 1·415	− ·364	− 1·285	− 1·542
21		− ·532	− ·454	− ·578	− ·275	− ·245	− ·372	− ·236	− 0·224	− ·093	− ·144	− ·384
22	− 0·850	− ·023	− 0·958	− ·043	− 0·840	− 0·796	− 0·956	− 0·721	− ·769	− ·616	− 0·760	− 0·962
23		− 0·441	− ·393	− 0·389	− ·400	− ·325	− ·208	− ·297	− ·228	− ·123	− ·305	− ·503

HORIZONTAL FORCE.

Time.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	− 0·002	− 0·002	− 0·005	− 0·004	− 0·007	− 0·010	− 0·009	− 0·008	− 0·001	− 0·007	− 0·006	− 0·008
1	− ·003	− ·003	− ·004	− ·004	− ·006	− ·007	− ·008	− ·006	− ·002	− ·006	− ·006	− ·007
2	− ·003	− ·002	− ·003	− ·004	− ·004	− ·004	− ·005	− ·004	− ·003	− ·005	− ·005	− ·006
3	− ·003	− ·003	− ·004	− ·006	− ·004	− ·005	− ·004	− ·003	− ·004	− ·005	− ·005	− ·006
4	− ·003	− ·003	− ·003	− ·003	− ·003	− ·003	− ·003	− ·002	− ·004	− ·005	− ·004	− ·005
5	− ·002	− ·003	− ·003	− ·002	− ·002	− ·002	− ·002	− ·001	− ·004	− ·004	− ·004	− ·005
6	− ·001	− ·002	− ·003	− ·001	− ·001	·000	− ·001	·001	− ·003	− ·003	− ·003	− ·003
7	− ·001	− ·002	− ·002	− ·000	·000	·001	·000	·002	− ·003	− ·002	− ·002	− ·001
8	·000	− ·001	− ·001	·001	·001	·002	·002	·002	− ·002	− ·001	− ·000	·000
9	·000	− ·001	·000	·002	·001	·003	·002	·003	− ·002	·000	·001	·001
10	·000	·000	·001	·003	·002	·004	·004	·004	− ·002	·001	·001	·001
11	·000	·000	·001	·003	·003	·005	·004	·005	− ·002	·003	·002	·002
12	·000	·001	·002	·004	·004	·005	·005	·006	− ·001	·002	·002	·003
13	·001	·001	·003	·005	·004	·005	·005	·006	− ·001	·003	·003	·004
14	·001	·002	·004	·005	·004	·005	·005	·006	− ·001	·004	·004	·004
15	·000	·001	·002	·003	·003	·005	·003	·005	− ·001	·003	·003	·004
16	·001	·001	·001	− ·001	·002	·003	·003	·004	·001	·003	·003	·005
17	·002	·003	·002	·001	·002	·003	·003	·003	·004	·004	·005	·007
18	·003	·004	·003	·002	·003	·002	·004	·003	·006	·006	·007	·008
19	·002	·004	·003	·001	·002	·002	·002	·002	·007	·005	·006	·007
20	·002	·003	·001	·000	·001	− ·001	·000	·000	·006	·002	·004	·005
21	·001	·001	·001	− ·001	− ·002	− ·004	− ·003	− ·003	·005	− ·001	·001	·001
22	·000	·000	·003	− ·003	− ·005	− ·006	− ·005	− ·005	·003	− ·004	− ·002	− ·003
23	− ·001	− ·001	·004	− ·003	− ·006	− ·009	− ·008	− ·008	·001	− ·006	− ·004	− ·006

TABLE LXIII.—*Showing the Mean Excess of the Hourly Values of Vertical Force and Computed Dip, above the Monthly Mean Value, in each Month, of the last Twelve Years* 1847 *to* 1858 *(inclusive.)*

	Time.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.
VERTICAL FORCE.		En. Un.	En. Un.		En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
	Noon.	0·000	0·000		− 0·008	− 0·008	− 0·009	− 0·002	− 0·006	− 0·008	− 0 005	− 0·001	− 0·002
	1	·000	·000		− ·009	− ·009	− ·009	− ·007	− ·007	− ·008	− ·006	− ·002	− ·002
	2	·000	·000		− ·008	− ·005	− ·007	− ·009	− ·007	− ·007	− ·005	− ·002	− ·002
	3	·000	·000		− ·007	− ·007	− ·006	− ·008	− ·005	− ·005	− ·004	− ·002	− ·001
	4	·000	·000		− ·005	− ·004	− ·004	− ·008	− ·003	− ·004	− ·003	− ·002	− ·001
	5	·000	·000		− ·003	− ·003	− ·003	− ·007	− ·002	− ·002	− ·002	− ·001	·000
	6	·000	·000		− ·002	− ·001	− ·001	− ·006	·000	− ·001	·000	·000	·001
	7	·001	·000		·000	·000	·000	− ·004	·001	·000	·001	·000	·001
	8	·001	·000	Instrument in disorder.	·001	·002	·002	− ·003	·002	·002	·002	·000	·002
	9	·001	·001		·003	·003	·003	− ·003	·003	·003	·002	·001	·002
	10	·001	·001		·003	·004	·004	− ·002	·004	·003	·002	·001	·002
	11	·001	·001		·004	·005	·004	− ·001	·005	·004	·003	·001	·002
	12	·001	·001		·004	·006	·005	− ·001	·005	·005	·004	·002	·002
	13	·002	·001		·007	·007	·005	·001	·006	·006	·004	·002	·003
	14	·003	·002		·009	·009	·007	·003	·008	·007	·005	·003	·004
	15	·002	·002		·009	·010	·008	·005	·009	·008	·006	·003	·004
	16	·001	·001		·009	·009	·008	·007	·008	·008	·005	·003	·003
	17	− ·001	·000		·006	·006	·006	·009	·006	·005	·003	·001	·001
	18	− ·003	− ·002		·002	·003	·004	·007	·003	·001	·001	·000	− ·002
	19	− ·004	− ·002		− ·002	− ·000	·001	·006	·000	− ·001	− ·001	− ·002	− ·004
	20	− ·003	− ·002		− ·003	− ·003	− ·002	·004	− ·002	− ·002	− ·001	− ·002	− ·004
	21	− ·002	·000		− ·003	− ·004	− ·003	·004	− ·003	− ·003	− ·002	− ·001	− ·003
	22	− ·001	·001		− ·004	− ·005	− ·005	·004	− ·004	− ·004	− ·003	− ·001	− ·002
	23	·000	·001		− ·005	− ·006	− ·008	·002	− ·005	− ·005	− ·006	− ·001	− ·002
DIP.	Noon.	− 0·4	− 0·3		− 2·9	− 3·2	− 3·2	− 3·6	− 2·5	− 2·7	− 2·0	− 0·8	− 0·8
	1	− 0·1	− 0·1		− 3·3	− 3·4	− 3·2	− 3·5	− 2·8	− 2·8	− 2·0	− 0·7	− 0·5
	2	0·1	0·1		− 2·8	− 3·0	− 2·5	− 3·2	− 2·4	− 2·3	− 1·5	− 0·5	− 0·1
	3	0·3	0·4		− 1·9	− 2·2	− 1·7	− 2·2	− 1·7	− 1·6	− 0·7	− 0·1	0·3
	4	0·5	0·6		− 1·2	− 1·5	− 1·0	− 1·3	− 1·0	− 0·9	− 0·3	0·2	0·6
	5	0·6	0·6		− 0·7	− 0·7	− 0·5	− 0·6	− 0·5	− 0·4	0·1	0·4	0·8
	6	0·7	0·6		− 0·1	0·0	− 0·0	0·1	0 0	0·1	0·5	0·6	0·9
	7	0·9	0·9		0·5	0·5	0·5	0·6	0·4	0·5	0·8	0·7	1·0
	8	0·9	0·9		1·0	1·0	0·8	1·1	0·9	0·9	1·0	0·8	1·1
	9	0·9	1·0		1·4	1·4	1·2	1·6	1·1	1·2	1·2	0·9	1·2
	10	0·4	0·9		1·7	1·6	1·6	2·1	1·5	1·5	1·4	1·0	1·2
	11	1·1	0·9		2·0	2·0	1·9	2·5	1·8	1·7	1·6	1·1	1·3
	12	1·2	0·9		2·2	2·3	2·2	2·9	2·0	2·2	1·8	1·3	1·4
	13	1·4	1·0		2·9	2·9	2·6	3·4	2·5	2·4	2·0	1·4	1·5
	14	1·7	1·3		3·7	3·6	2·9	4·1	3·1	3·0	2·3	1·6	1·8
	15	1·9	1·2		4·0	3·8	3·2	4·2	3·3	3·3	2·4	1·7	1·7
	16	0·4	0·3		3·3	3·4	2·9	3·7	2·8	2·9	1·7	0·8	0·8
	17	− 1·1	− 1·0		1·6	1·8	2·7	2·0	1·6	1·5	0·6	− 0·2	− 0·7
	18	− 2·4	− 2·1		− 0·4	0·0	0·6	− 0·2	0·1	− 0·1	− 0·9	− 1·3	− 2·4
	19	− 3·0	− 2·6		− 1·8	− 1·5	− 0·8	− 1·5	− 1·1	− 1·2	− 1·8	− 2·1	− 3·3
	20	− 2·6	− 2·1		− 2·3	− 2·2	− 1·6	− 2·4	− 1·8	− 1·7	− 1·9	− 2·0	− 3·1
	21	− 2·0	− 1·4		− 2·1	− 2·3	− 1·9	− 2·6	− 1·9	− 1·8	− 1·9	− 1·7	− 2·4
	22	− 1·3	− 0·8		− 2·1	− 2·3	− 2·3	− 2·9	− 2·1	− 1·9	− 1·9	− 1·4	− 1·8
	23	− 0·8	− 0·4		− 2·7	− 2·6	− 2·8	− 3·1	− 2·6	− 2·2	− 1·9	− 1·1	− 1·3

Not computed.

TABLE LXIV.—*Showing the Mean Excess of the Hourly Values of Total Force of the Earth, above the Mean Monthly Value, in each Month, of the last Twelve Years* 1847 *to* 1858 *(inclusive.)*

Time.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.
	En. Un.	En. Un.		En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	− 0·002	0·002		− 0·007	− 0·010	− 0·012	− 0·012	− 0·011	0·001	− 0 009	− 0·075	− 0·009
1	− ·003	·000		− ·007	− ·009	− ·009	− ·011	− ·009	·002	− ·008	− ·051	− ·008
2	− ·003	− ·002		− ·007	− ·007	− .006	− ·009	− ·007	·002	− ·007	− ·021	− ·006
3	− ·002	− ·004		− ·008	− ·006	− ·005	− ·006	− ·005	·003	− ·006	− ·008	− ·006
4	− ·003	− ·005		− ·004	− ·004	− ·004	− ·004	− ·004	·004	− ·006	·004	− ·005
5	− ·002	− ·005		− ·003	− ·003	− ·002	− ·003	− ·002	·005	− ·004	·014	− ·004
6	− ·001	− ·005		− ·001	− ·001	·000	− ·001	− ·001	·006	− ·003	·026	− ·003
7	− ·001	− ·006		·000	·001	·002	·000	·001	·005	− ·002	·032	− ·001
8	·000	− ·005		·002	·002	·003	·003	·002	·004	− ·001	·043	+ ·001
9	·000	− ·005		·003	·002	·004	·004	·003	·004	·001	·047	·002
10	·000	− ·005		·005	·004	·005	·006	·004	·003	·002	·052	·003
11	·001	− ·004		·005	·005	·007	·006	·006	·002	·002	·057	·003
12	·001	− ·004		·006	·006	·007	·008	·006	− ·001	·004	·063	·005
13	·002	− ·005		·008	·007	·008	·008	·007	− ·002	·005	·065	·005
14	·002	− ·004		·009	·008	·009	·009	·007	− ·005	·007	·067	·006
15	·001	− ·005		·007	·007	·008	·008	·006	− ·007	·005	·051	·005
16	·001	·000		·004	·005	·006	·005	·004	− ·008	·004	·022	·006
17	·001	·005		·003	·005	·006	·005	·004	− ·008	·007	− ·003	·007
18	·002	·008		·002	·003	·003	·004	·002	− ·006	·007	− ·024	·008
19	·000	·011		·000	·001	·001	·000	·000	− ·005	·006	− ·046	·006
20	·000	·010		− ·002	− ·001	·000	− ·001	− ·002	− ·004	·002	− ·064	·004
21	·001	·008		− ·003	− ·004	− ·005	− ·004	− ·005	− ·003	− ·002	− ·077	·000
22	·001	·007		− .005	− ·007	− ·007	− ·006	− ·008	− ·001	− ·005	− ·084	− ·004
23	·001	·005		− .006	− ·008	− ·010	− ·010	− ·001	− ·000	− ·008	− ·085	− ·007

Not computed.

TABLE LXV.—*Showing the Mean Hourly Values of Magnetic Elements as deduced from the Hourly Observations of the last Twelve Years.*

Göttingen Mean Time.	Mean Hourly Value. Declination.	Horizontal Force.	Vertical Force.	Dip.	Total Force.
		En. Un.	En. Un.		En. Un.
Noon.	17′515	7·980	2·738	18. 54.0	8·431
1	·486	·981	·735	54.0	·434
2	·352	·982	·737	54.3	·437
3	·278	·982	·738	54 0	·440
4	·311	·983	·739	55.5	·442
5	·378	·983	·740	55.9	·444
6	·474	·984	·741	56.3	·446
7	·585	·985	·742	56.7	·447
8	·672	·986	·743	56.9	·449
9	·725	·987	·744	57.2	·451
10	·690	·988	·744	57.4	·452
11	·601	·988	·745	57.6	·453
12	·524	·989	·745	57.9	·454
13	·562	·989	·746	58.2	·454
14	18·042	·990	·748	58.6	·455
15	·575	·989	·748	58.2	·452
16	·702	·988	·748	58.1	·449
17	·415	·989	·746	56.8	·447
18	17·496	·990	·743	56.2	·445
19	16·495	·990	·742	54.1	·442
20	15·952	·988	·740	53.6	·439
21	16·229	·986	·740	54.0	·436
22	·592	·984	·740	54.1	·434
23	17·122	·984	·739	54.0	·432

MEAN VALUES FOR DAY AND NIGHT.

Mean Values for

Mean Diurnal Range.		Night.	Day.
Declination.....	2′750	17′513	17′385
Horizontal Force....	0·010	7·985	7·987
Vertical Force.....	0·011	2·742	2·742
Dip.....	~~0·54·1~~	~~19·05·1~~	~~18·50·6~~
Total Force.....	0·023	8·447	8·441

Times of Maximum and Minimum.

+ 0 − 3 + 9 − 12 + 16 − 20
− 1 + 2 − 3 + 14 − 16 + 18
− 1 + 15
− 0 + 15 − 20 + 22
− 0 + 14

TABLE LXVI.—*Showing the Mean Monthly Values of Magnetic Elements as obtained from the Observations of the last Twelve Years,* 1847 *to* 1858 *(inclusive.)*

Months.	Mean Monthly Values of Declination (in Arc.)	Horizontal Force in English Units.	Vertical Force in English Units.	Dip.	Total Force of the Earth in English Units.
		En. Un.	En. Un.		
January ..	17'125	7·988	2·723	18°51'4	8·441
February ..	·422	·986	·737	55·2	·441
March	·433	·983	·735	55·0	·438
April	·261	·980	·735	54·3	·435
May.....	·245	·978	·736	54·8	·434
June.....	16·871	·982	·737	52·4	·435
July.....	·531	·986	·737	55·0	·442
August....	·725	·988	·742	56·7	·445
September..	·922	·986	·740	55·6	·443
October. ..	17·331	·986	·736	54·9	·450
November..	·531	·991	·758	19°02·3	·453
December..	·523	·995	·763	04·3	·459

FOR SEASONS.

	Mean Annual Increase in the Absolute Value.	Mean Value. Summer.	Winter.	Annual Mean.
Declination (in Arc)	+0'525	16·926	17.394	17·160
Horizontal Force..	+ ·007	7·983	7·988	7·986
Vertical Force	+ ·017	2·738	2·742	2·740
Dip (in Arc)....	+1·2	18·54·8	18·57·2	18·56·0
Total Force	+0·011	8·439	8·447	8·443

MAGNETIC DISTURBANCES.

Observations having been made on all occasions of Magnetic Disturbances, it is intended to devote a separate description of those days on which they took place.

All the Magnetic Disturbances, whether large or small, have the effect of increasing the Declination and of lessening the Horizontal Force. Vertical Force is not much effected by Disturbing Force.

During the year 1858 the number of days which were considered as abnormal were eighteen, and they are used in resolving the effects of Disturbances.

TABLE LXVII.—*Showing the Disturbed as well as the Normal Values of Magnetic Elements, on the Days of Magnetic Disturbances.*

Month and Date, 1858.	Declination. Disturbed Value.	Declination. Normal Value.	Declination. Difference.	Horizontal Force. Disturbed Value.	Horizontal Force. Normal Value.	Horizontal Force. Difference.	Vertical Force. Disturbed Value.	Vertical Force. Normal Value.	Vertical Force. Difference.	Dip. Disturbed Value.	Dip. Normal Value.	Dip. Difference.	Total Force. Disturbed Value.	Total Force. Normal Value.	Total Force. Difference.
	19	19		7·9	7·9		2·7	2·7		19·00	19.00		8·	8·	
				En. Un.	En. Un.		En. Un.	En. Un.					En. Un.	En. Un.	En. Un.
January .. 8	0'943	1'143	−0·200	0·1172	0·1309	−0·0137	0·0922	0·0989	−0·0067	12'7	14'1	−1·4	0·490	0·505	−0·015
9	2·101	·121	·980	·1082	·1308	− ·0226	·0927	·0972	− ·0045	14·0	13·4	0·6	·492	·504	− ·012
March 1	1·459	0·992	·467	·1204	·1275	− ·0071	·0765	·0741	·0024	7·1	5·3	1·8	·489	·495	− ·006
12	0·907	1·115	− ·208	·1153	·1250	− ·0097	·0723	·0742	− ·0019	5·1	4·7	0·4	·482	·492	− ·010
13	2·025	·125	·900	·0903	·1248	− ·0345	·0731	·0742	− ·0011	7·5	4·6	2·9	·371	·492	− ·021
28	1·320	·150	·170	·1195	·1267	− ·0072	·0763	·0872	− ·0109	6·1	9·9	−3·8	·487	·492	− ·005
19	·328	·143	·185	·1072	·1255	− ·0183	·0749	·0782	− ·0033	6·9	6·3	0·6	·475	·494	− ·019
April 9	3·308	·135	2·173	·0729	·1199	− ·0470	·0986	·0988	− ·0002	20·7	14·2	6·5	·450	·495	− ·045
10	2·551	·135	1·416	·0903	·1199	− ·0296	·0998	·0988	·0010	19·2	14·2	5·0	·467	·495	− ·028
May..... 7	1·202	0·835	0·367	·1163	·1207	− ·0044	·1121	·1089	·0032	18·5	17·4	1·1	·494	·499	− ·005
8	·466	·835	·631	·1065	·1207	− ·0142	·1120	·1089	·0031	19·4	17·4	2·0	·485	·499	− ·014
June..... 23	·336	·543	·793	·1112	·1229	− ·0117	·1006	·1149	− ·0043	14·6	18·7	−4·1	·485	·501	− ·016
24	·239	·543	·696	·1146	·1229	− ·0083	·1049	·1149	− ·0100	16·5	18·7	−2·2	·491	·501	− ·010
August.... 26	0·390	− ·060	·400	·1234	·1268	− ·0034	·1115	·1120	− ·0005	18·5	17·8	0·7	·503	·504	− ·001
September 20	·668	·394	·274	·1142	·1261	− ·0119	·0931	·0983	− ·0052	11·1	12·8	−1·7	·486	·499	− ·013
21	·550	·412	·138	·1173	·1253	− ·0080	·0939	·0980	− ·0041	10·7	12·8	−2·1	·570	·499	+ ·071
22	·863	·430	·433	·1183	·1245	− ·0062	·0936	·0877	− ·0041	10·1	12·8	−2·7	·570	·499	+ ·071
24	·639	·466	·173	·1204	·1229	− ·0025	·0887	·0971	− ·0084	7·0	12·8	−5·8	·489	·499	− ·010

TABLE LXVIII.—*Showing the Mean Effects of the several Disturbances on the Magnetic Elements, compared with their Mean Effects on Horizontal Intensity.*

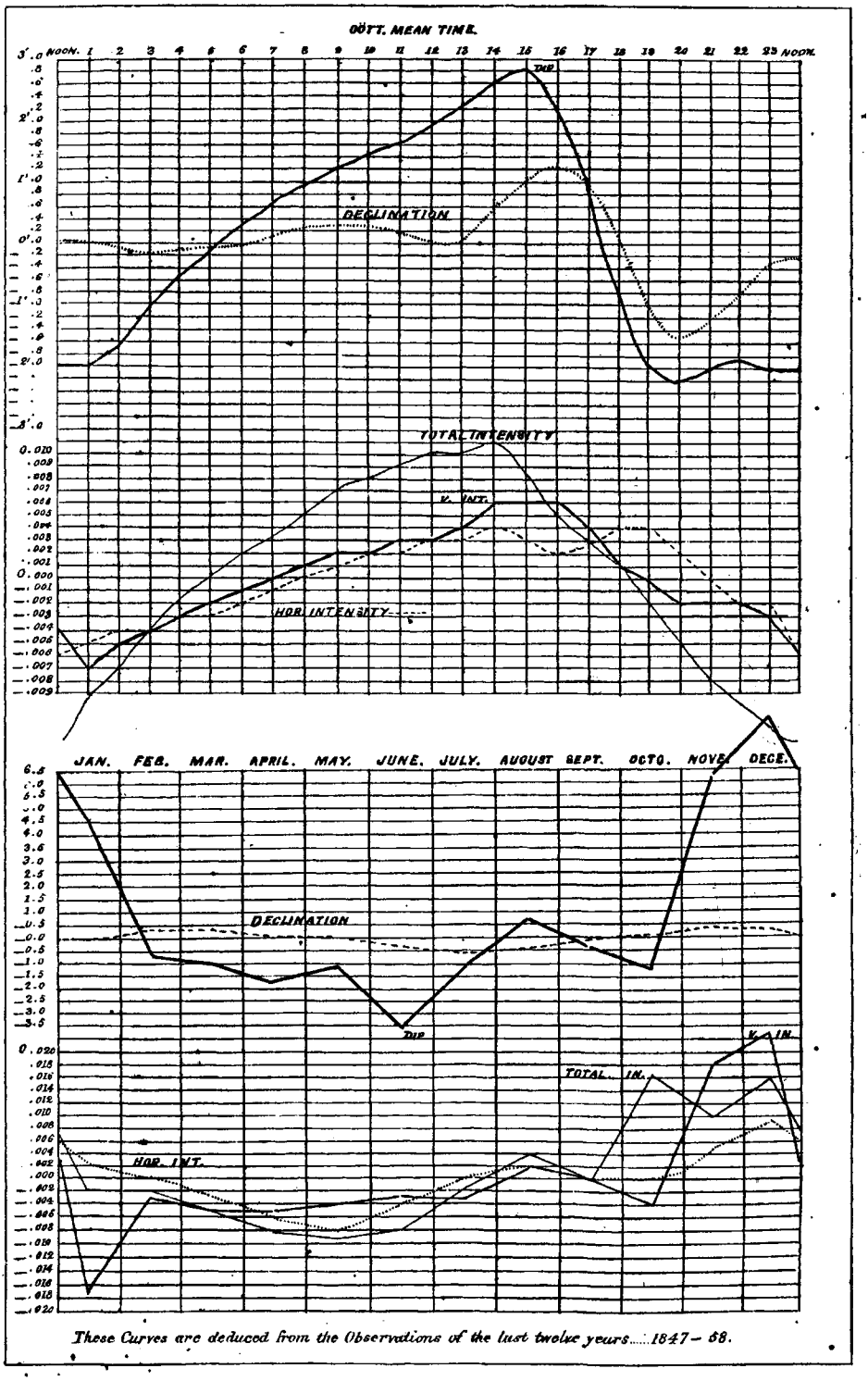
Declination (in Arc.)	Horizontal Intensity in English Units.	Vertical Intensity in English Units.	Dip (deduced.)	Number of Observations.
+1'536	-0·0407	-0·0006	+4'7	2
+0·583	- ·0174	- ·0028	+0·1	7
+ ·283	- ·0077	- ·0048	-1·3	6
+ ·313	- ·0034	- ·0019	-1·3	3

It is inferred from the movements of Magnetometers on Disturbance days, that the disturbing magnetic pole is situated in one place, and that that place is not co-incident with the Earth's magnetic pole. This place is easily determined by applying the equation given by Colonel Sabine, to the first two lines in Table LXVIII.

Assuming the Values of x and ψ equal to 8·02 and 0°1'9 respectively the situation of disturbing pole as obtained by reducing the first two lines in Table LXVIII., is as follows:—

	First Line.	Second Line.
Declination of Disturbing Pole.....	4°47	4°10
Inclination of Disturbing Pole.....	0·58	9·7
f.....	0·0408	0·0174

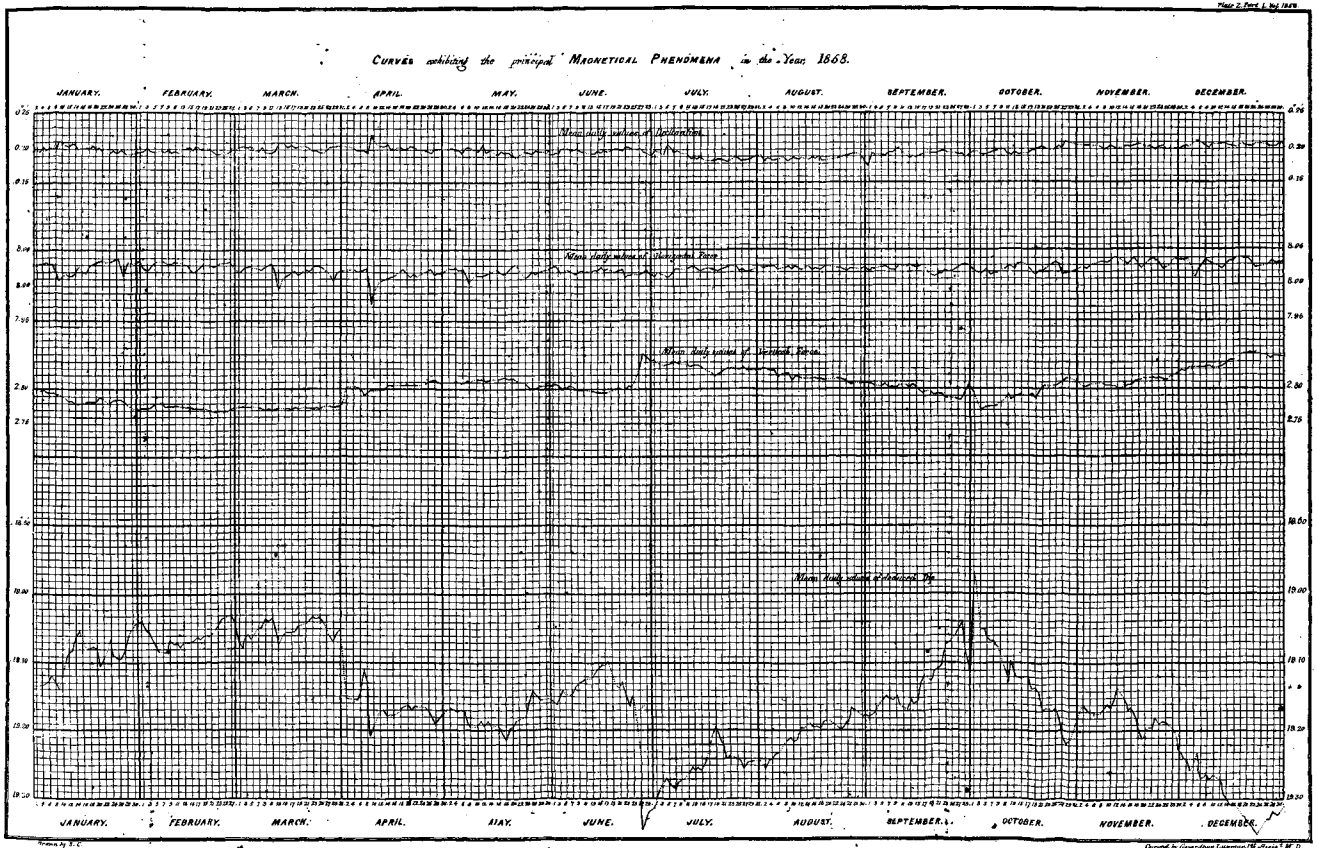
MONTHLY AND DIURNAL CHANGES OF THE MAGNETIC ELEMENTS.


GOTT. MEAN TIME.
NOON. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 NOON.
DIP
DECLINATION
TOTAL INTENSITY
V. INT.
HOR. INTENSITY
JAN. FEB. MAR. APRIL. MAY. JUNE. JULY. AUGUST SEPT. OCTO. NOVE. DECE.
DECLINATION
DIP
V. IN.
TOTAL IN.
HOR. INT.

These Curves are deduced from the Observations of the last twelve years.....1847 – 58.

Drawn by S.C.

Carved by Hoverdhan Laxman C.



Drawn by S. C.

Curved by Geo. Dean, Lithographer, 14 Assist. M.D.

BOMBAY MAGNETICAL OBSERVATORY.

PART II.

METEOROLOGICAL OBSERVATIONS.

1858.

INTRODUCTION TO THE METEOROLOGICAL OBSERVATIONS

For 1858.

BAROMETERS.

THROUGHOUT the year 1858 two Standard Barometers (by Newman, of London), marked Nos. 58 and 48, were observed, and the observations of each were duly registered. As both Barometers are exactly of the same construction, and are fixed side by side, in wooden brackets, to the east wall of the Magnetic Observatory, a description of Barometer No. 58, as given in the volume for 1852, will answer for both instruments.

The observations show that both Barometers acted simultaneously throughout the year; and that each reading of Barometer No. 48 is about 0·013 higher than each reading of No. 58, consequently no results were deduced from the former Barometer.

TABLE,—*Showing the Mean Monthly Height of Barometers, Nos.* 48 *and* 58, *corrected for Temperature of Mercury and Brass.*

Months.	Mean Height of Barometer.			Months.	Mean Height of Barometer.		
	No. 48.	No. 58.	Difference.		No. 48.	No. 58.	Difference.
	in.	in.			in.	in.	
January	29·934	29·921	0·013	July.....	29·683	29·670	0·013
February.....	·952	·939	·013	August.....	·734	·720	·014
March	·866	·852	·014	September	·791	·778	·013
April	·811	·798	·013	October	·836	·822	·014
May.....	·687	·674	·013	November	·940	·927	·013
June.....	·712	·698	·014	December	·958	·944	·014

The verticality of the Barometer is frequently examined.

The height of the surface of the mercury in the cistern above the floor of the Magnetic Observatory is 4 feet 6 inches, and above the mean level of the sea 37·5 feet. This measurement is founded upon levellings made by Professor Pole, of the Elphinstone Institution, in 1845.

Every observation of the Barometer has been corrected for Temperature to 32° Fahr., by the application of the corrections contained in the "Tables for Barometers whose Scales are engraved upon Brass," as given in the "Royal Society's Report for 1840."

THERMOMETERS.

All the Thermometers during the year 1858 were observed within a shed, which is about 38 feet distant from the S.E. angle of the Large Magnetic Observatory. The construction of the shed is described in the volume for 1852.

The Temperature of the Air was determined by one of Newman's Standard Thermometers. It is suspended from the roof of the shed to about five feet above the ground; a table is placed under it, with a view of preventing any radiation from the surface of the ground affecting its bulb.

The Temperature of the stratum of air in contact with the ground was measured by a common bath Thermometer; it has a brass scale divided to two degrees. The length of 10 degrees is 0·32 inch. Its bulb is 0·41 inch in diameter, and lies exposed to the free currents of air within the Thermometer shed. After the 5th of August a new Thermometer was used; it has a brass scale divided to one degree; the length of 10 degrees is 0·7 inch; its bulb is 0·52 inches in diameter.

THERMOMETER SUPPOSED TO MEASURE THE AIR CONFINED IN THE OBSERVATORY is the Thermometer attached to the Large Horizontal Force Magnetometer. The bulb is within the box; and it is therefore supposed to measure the Temperature of the confined air induced from the free and external air.

THERMOMETER SUNK SIX INCHES BELOW THE SURFACE OF THE GROUND is exactly similar to that which measures the Temperature of external and free air. The place in which it is sunk is nearly in the centre of the ground, within the Thermometer shed; the soil about it is composed of red earth and a portion of decomposed trap gravel.

THERMOMETERS SUNK TWENTY AND SIXTY INCHES BELOW THE SURFACE OF THE GROUND are Mercurial Thermometers, by Newman, the construction of which is given in the Introduction to the volume for 1851, page v.

WET BULB THERMOMETER.—The Temperature of Evaporation was observed with one of the bulbs of Newman's Wet Bulb Thermometer, which is described in the volume for 1854. A gauze-wire cover is placed over the instrument, to prevent birds, &c. disturbing the instrument from the water which is placed near it.

From the Temperature of External and Free Air, and the Temperature of Evaporation, the following quantities have been deduced:—

1. Pressure of Moisture.
2. Humidity of Air.
3. Temperature of Dew-Point.
4. Weight, in grains, of a cubic foot of Air.

5. Weight, in grains, of Moisture in a cubic foot of Air.
6. Weight required for complete saturation of a cubic foot of Air.
7. Pressure of Dry Air.
8. Evaporation.

The following Table, from which these different quantities were found, has been extracted principally from the Introduction to the Greenwich Magnetical and Meteorological Observations of 1845, and from Hygrometric Tables published by Professor Orlebar in 1846 :—

Temperature, Fahr.	Force of Vapour corresponding to the Temperature, Fahr.	Weight of a Cubic Foot of Common Air.			Weight of Moisture in a Cubic Foot of Air.		
		Weight.	Correction.		Weight.	Correction when Weight = 10 grs.	
			Standard Barometer.	Correction.		Depression of Dew-Point.	Correction.
	in.	grs.	in.	grs.	grs.		grs.
40°	0·264	552	29·1	−20	3·1	0°	−0·0
45	0·314	546	·2	−18	3·6	2	−0·0
50	0·374	540	·3	−16	4·3	4	−0·1
55	0·442	534	·4	−14	5·0	6	−0·1
60	0·523	528	·5	−10	5·9	8	−0·2
65	0·617	522	·6	− 8	6·9	10	−0·2
70	0·726	517	·7	− 6	8·0	12	−0·2
75	0·854	511	·8	− 4	9·3	14	−0·3
80	1·001	504	·9	− 2	10·8	16	−0.3
85	1·172	498	30·0	− 0	12·5	18	−0·3
90	1·367	493	·1	+2	14·5	20	−0·4

1. *Pressure of Moisture.*

This quantity was determined by means of Dr. Apjohn's formula, taking the mean yearly barometric pressure = 29·8 inches :—

$$f'' = f' - d \times 0{\cdot}0114 ;$$

in which f'' represents the Pressure of Moisture, or the Force of Vapour at the Temperature of Dew-Point ;

f' represents the Force of Vapour at the Temperature of Evaporation ;

d represents the Depression of Wet Bulb Thermometer.

2. *Temperature of Dew-Point*

Was at once deduced from the Pressure of Moisture, for the Force of Vapour at the Dew-Point is the Pressure of Moisture.

3. *Humidity of Air*

Was found from the Pressure of Moisture and Tension of Vapour, at the temperature of external and free air, by means of the following formula, $H = \frac{f''}{f}$; in which H denotes the Humidity of Air, f'' represents the force of Vapour at the temperature of Dew-Point, f represents the Tension of Vapour at temperature of the air.

4. *Weight, in Grains, of a Cubic Foot of Air*

Was determined by finding the weight at the temperature of external and free air, and correcting it for barometric height; the correction for humidity, being small, was neglected.

5. *Weight, in Grains, of Moisture in a Cubic Foot of Air*

Was derived by finding the weight of Moisture at the temperature of Dew-Point, and subtracting from it the proportional correction for the depression of Dew-Point.

6. *Weight required for complete Saturation of a Cubic Foot of Air*

Was determined by subtracting the weight of Moisture, as obtained by the last method (No. 5), from the weight of Moisture at the temperature of external and free air.

7. *Pressure of Dry Air.*

If the pressure of Moisture be subtracted from the height of Barometer corrected for Temperature, the remainder is considered to be the pressure of Dry Air.

8. *Evaporation.*

The mean quantity of evaporation for each day was calculated by subtracting the force of Vapour at the mean temperature of Dew-Point from the force of Vapour at the mean temperature of air for that day.

All these quantities, which have thus been calculated, are given in the Meteorological Results; a detailed account of the method of calculating these elements is given in the preceding volumes.

As an example.—Let the temperature of air be 80°, the temperature of evaporation 72°, and the height of Standard Barometer (corrected) 29·7 in.; required the different quantities:—

1. Pressure of Moisture	0·684
2. Temperature of Dew-Point	68°01
3. Humidity of Air	0·68
4. Weight of a cubic foot of Air	498 gr.
5. Weight of Moisture in a Cubic foot of Air	7·3 gr.
6. Weight of Water required for complete saturation of a Cubic foot of Air	3·5 gr.
7. Pressure of Dry Air	29·016 in.
8. Quantity of mean Evaporation in 24 hours =	0·316 in.

THE DIRECTION OF WIND

Is self-registered by one of Newman's Anemometers, moved by a pendulum clock, which is fixed in the western wall of the Transit-room in the Astronomical Department. The Force of Wind is also registered by a pencil, connected by means of a copper wire, &c., with a sheet of copper-plate placed immediately beneath the vane. The paper upon which the direction and force of wind are registered is changed every day at noon.

Occasional Adjustments.

21*st April* 1858.—The accuracy of the force of wind registered by self-registering Anemometer examined; the registered force exactly coincides with the actual weights applied.

21*st May* 1858.—The tension of springs showing the registered force changed; the correction ascertained was 0·14 subtractive for each pound of registered force.

22*nd June* 1858.—The shaft of the vane oiled a little.

29*th June* 1858.—The instrument put in order, and the pressure pencil made to show the actual force of wind.

The Force of the Wind on all ordinary occasions

Is measured at each hourly observation, by estimation or by Lynd's Wind-Gauge. The tube is of equal diameter with the orifice where the wind enters, and the pressure of the wind, corresponding to the height at which the column of water rises, is ascertained by the table given in the Report of the Committee of the Royal Society for 1840, page 84.

All high winds, such as storms, gusts, or any pressure exceeding two pounds, were taken from the register made by the pressure-plate of Osler's Self-registering Wind-Gauge.

Rain

Was measured by two Rain Gauges, marked No. 1 (Newman's) and No. 2 (Osler's).

Rain-Gauge No. 1, or Newman's, is a copper funnel, whose diameter is twelve inches; its exposed area consequently is 113 square inches. The water passes into a cylinder, and raises a copper float, to which a deal rod, graduated to 0·01 of an inch, is fixed, and held upright by means of a light brass rod placed horizontally across the upper rim of the funnel.

The Rain-Gauge No. 2 is connected with Osler's Anemometer. It is about 65 feet above the mean level of the sea, and it exposes to the rain an area of 200 square inches, as its horizontal dimensions are 10 by 20 inches. Its surface is 6 feet above the outside of the roof of the Transit-room of the Astronomical Observatory.

For a description of Rain-Gauges and the Anemometers, see the Introduction to the volume for 1848.

Weather.

The whole sky covered with clouds is estimated as 8, and the complete absence of clouds as "clear." The motion of the clouds is determined as follows: The walls of the Magnetical Observatory are in the meridian and prime vertical, so that when a cloud is passing the zenith, the observer takes his stand at one of the angles of the Observatory, and at once determines its motion relative to the position of the Observatory.

The nomenclature adopted is that of Mr. Howard, with some combinations, set down under the following symbols:—

Cirrus.	Cumulo-stratus.	Hem. Hemisphere.
Cumulus.	Nimbus.	Hor. Horizon.
Stratus.	Cirri.	Zth. Zenith.
Cirro-cumulus.	Cumuli.	H. Hour.
Cirro-stratus.	Strati.	M. Minute.
		S. Second.

TIDAL OBSERVATIONS.

These are registered by self-registering apparatus, moved by a pendulum clock, which is fixed upon a strong wooden table, in a small building to the east of the Observatory compound (enclosure), close to the sea-shore.

The position of the Tide-house with respect to the Harbour, the nature of the ground from the tide-house to the sea-water, the character of iron siphon pipes, the dimensions of the well in which the iron pipes are immersed, and the position of self-registering apparatus, are all described in the volume for 1848.

This instrument is considered next to useless, as it works under manifold disadvantages: in some instances the air-cock goes out of order; in some the lower cock becomes sluggish in its movements, by constant effect of salt water over the iron cylinder of which the cock is made; in some cases the registry is partially broken by irregular movements of the cock, which is also affected by the salt vapour.

ELECTRICAL APPARATUS.

The Electrical House adjoins the Magnetical Observatory on the eastern side, to which communication is had by a venetian door; it is 10 feet square in the interior, and 41 feet high to the eaves of the roof; the walls are of red brick, and gradually diminish in thickness at each story as the building ascends; they are two feet thick at the first floor, and plastered both inside and out. All explanations relative to the House and instruments therein having been given in the volume for 1857, it is not necessary to repeat them here.

The whole apparatus in use consists of the following intruments: two Volta Electrometers, denoted by Nos. 1 and 2; a Henly's Electrometer; a Ronald's Spark Measure; and a Bennet's Gold-Leaf Electrometer.

This instrument shows no effect of Electricity on the several Electrical jars during the Monsoon or rainy days. This is occasioned, no doubt, from the peculiar state of weather in those days, for, notwithstanding the necessary precautions usually adopted to keep the current of Electricity from being checked (by the action of water on the insulators or from the cobwebs), the instrument does not show any kind of Electricity in the atmospheric air.

Occasional Adjustment.

Every part of the brass work was corroded with verdigris, which was rubbed out, and the glass insulators washed with chalk and soap in September 1858.

RESULTS OBTAINED FROM THE OBSERVATIONS OF THE COMET OF 1858.

The Comet of 1858 first showed itself to us in the form of a luminous body about the size of *a* Boötes, and it had a milk-coloured short Tail inclining towards the North, the length of which was 6° in arc from the Nucleus. The distance of *a* Boötes from the Comet was 9° in arc. On the 6th of October the length of the Tail was 25° in arc. Observations were made with Gilbert's Transit Circle from 30th September to 8th November, but those of the 15th, 22nd, and 29th October were used to find out the elements of its position in the heavens.

BOMBAY MEAN TIME.

	D. H. M. S.	H. M. S.		
October	15·7·48·50·9	16·04·18	R. A.	*S* 13°18′00″ Declination.
„	22·6·10·10·0	17·03·27	.....	*S* 29·22·00
„	29·6·37·20·0	17·24·22	.....	*S* 38·28·29

The results obtained from these Observations are as follows :—

Time of Perihelion passage of the Comet.....	22·811 September.
Longitude of Perihelia ..... ☊	38°56′
Inclination of the Orbit of Comet.....	69°41′
Ascending Node.....	164°52′
Logarithm of Perihelion Distance	9·744499

These Observations of the Comet were made, and the results were drawn out, by Goverdhun Luxumun, First Assistant in the Magnetic Department of the Observatory, Bombay.

BOMBAY MAGNETICAL OBSERVATORY.

METEOROLOGICAL OBSERVATIONS.

1858.

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of Tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 1st—Midnight	30.015	29.473	69°0	64°0	5°0	61°0	0.77	69°6	74°0	NNW	0.1		+	1		Above 10m.
1 a. m.	.009	.372	69.6	67.2	2.4	69.9	.89	69.8	73.7	„	0.1		+	2		Above 10m.
2 „	.002	.388	68.2	66.0	2.2	64.8	.90	69.0	73.6	„	0.0					
3 „	.001	.424	68.6	65.0	3.6	62.9	.83	69.2	73.4	„	0.0		+	3		2·30
4 „	29.998	.389	68.6	66.0	2.6	64.6	.88	69.0	73.2	NE	0.2		+	1		Above 10m.
5 „	30.010	.506	67.8	62.3	5.5	58.9	.75	68.1	73.0	ENE	0.3		+	1		Above 10m.
6 „	.022	.497	67.8	63.0	4.8	60.1	.78	68.2	72.8	E b N	0.1					
7 „	.048	.492	67.7	64.0	3.7	61.8	.83	68.0	72.6	„	0.1					
8 „	.064	.492	70.6	65.5	5.1	62.7	.77	70.3	72.9	„	0.3					
9 „	.086	.607	72.4	63.5	9.9	57.3	.59	73.0	73.4	„	0.2		+	1		Above 10m.
10 „	.093	.573	76.7	66.0	10.7	59.8	.58	76.2	73.9	„	0.4		+	1		Above 10m.
11 „	.059	.472	79.5	69.0	10.5	63.4	.60	78.9	74.5	„	0.2		+	1		Above 10m.
Noon.	.019	.434	82.2	69.8	12.4	63.3	.54	81.4	75.2	„	0.3	None.	+	1		Above 10m.
1 p. m.	29.984	.460	83.4	68.4	15.0	60.0	.47	83.2	75.6	„	0.4		+	1		Above 10m.
2 „	.972	.582	83.8	64.4	19.4	51.3	.35	82.8	76.1	„	0.1		+	1		Above 10m.
3 „	.955	.547	84.1	65.1	19.0	52.6	.36	82.7	76.2	„	0.1		+	1		Above 10m.
4 „	.951	.317	84.8	72.0	12.8	65.8	.54	82.4	76.5	„	0.2		+	1		Above 10m.
5 „	.957	.253	80.5	72.6	7.9	69.0	.69	79.1	76.5	NNW	0.1		+	2		Above 10m.
6 „	.971	.282	77.2	71.2	6.0	68.3	.75	76.7	76.0	„	0.0		+	1		Above 10m.
7 „	.993	.232	76.6	73.0	3.6	71.4	.85	76.2	75.9	„	0.0					
8 „	30.009	.336	74.2	69.8	4.4	67.6	.81	74.4	75.7	„	0.0					
9 „	.018	.438	71.8	66.2	5.6	63.1	.75	72.4	75.4	„	0.0					
10 „	.025	.505	69.4	63.4	6.5	59.8	.73	70.3	74.8	„	0.1		+	2		Above 10m.
11 „	.019	.489	69.0	63.6	5.4	60.4	.75	70.1	74.4	„	0.1		+	1		Above 10m.
Jan. 2nd—Midnight	·011	.486	67.8	63.0	4.8	60.1	.78	69.0	74.0	NNW	0.1		+	2		Above 10m.
1 a. m.	29.995	.424	69.2	65.0	4.2	62.6	.81	70.2	73.9	„	0.1					
2 „	·980	·411	69.4	65.0	4.4	62.5	.80	70.2	73.7	„	0.0					
3 „	.965	.427	69.4	64.0	5.4	60.8	.75	69.6	73.7	„	0.1		+	1		Above 10m.
4 „	.960	.418	68.4	63.8	4.6	61.0	.79	68.8	73.4	„	0.1		+	1		Above 10m.
5 „	.971	.413	68.4	64.3	4.1	61.9	.81	68.7	73.2	N	0.0					
6 „	.988	.411	68.6	65.0	3.6	62.9	.83	68.7	73.0	„	0.2					
7 „	30·000	.428	68.2	64.7	3.5	62.7	.84	68.5	73.0	„	0.1					
8 „	.024	.428	69.8	66.0	3.8	63.9	.83	70.2	73.0	„	0.1					
9 „	.047	.516	72.0	64.7	7.3	60.4	.69	71·9	73.3	N b W	0.1		+	2		Above 10m.
10 „	.042	.469	74.8	67.0	7.8	62.7	.68	74.8	73.7	N	0.1		+	1		Above 10m.
11 „	.014	.423	77.4	68.4	9.0	63.7	.64	76.2	74.2	NNE	0.2	None.	+	4		Above 10m.
Noon.	29.985	·443	80.1	67.8	12.3	61.0	.54	79.1	74.8	NE b E	0.1		+	1		Above 10m.
1 p. m.	·952	.458	82.8	67.3	15.5	58.3	.45	81.4	75.4	N	0.1		+	1		Above 10m.
2 „	·931	.222	84.8	74.0	10.8	69.2	.61	82.5	76.0	„	0.2		+	Out of Sc.	22	0.20
3 „	·924	.184	84.0	74.6	9.4	70.5	.65	82.2	76.3	„	0.1		+			Above 10m.
4 „	·919	.151	82·8	75.0	7.8	71.7	.70	80.8	76.5	NNW	0.3		+			0.50
5 „	·930	.160	79.2	74.0	5.2	71.8	.79	78.6	76.3	„	0.2					
6 „	.939	.198	76.4	72.4	4.0	70.6	.83	75.8	76.0	„	0.3					
7 „	.959	.304	74.0	69.2	4.8	66.8	.79	74.5	75.6	„	0.3					
8 „	·975	.384	73.2	67.0	6.2	63.7	.73	73.2	75.4	„	0.2					
9 „	.982	.385	72.6	67.0	5.6	64.0	.76	73.0	75.2	„	0.1		+	1		Above 10m.
10 „	.984	.462	70.8	64.0	6.8	59.9	.70	71.2	74.8	„	0.0		+	1		Above 10m.
11 „	.976	.401	70.6	65.6	5.0	62.8	.78	71.0	74.5	„	0.0		+	1		Above 10m.
Jan. 4th—Midnight	.969	.329	71.2	67.8	3.4	66.1	.85	72.2	74.2	N	0.1					
1 a. m.	.956	.343	69.8	66.5	3.3	64.8	.85	70.2	74.0	„	0.1					
2 „	.944	.314	69.6	67.0	2.6	65.6	.88	70.2	73.9	„	0.1					
3 „	.930	.306	68.8	66.5	2.3	65.3	.89	69.6	73.7	N b E	0.1					
4 „	.939	.333	67.5	65.5	2.0	64.4	.91	68.2	73.4	„	0.1					
5 „	.946	.349	66.8	65.0	1.8	64.0	.91	68.0	73.1	„	0.0					
6 „	.971	.372	66.6	65.0	1.6	64.1	.92	67.5	73.0	„	0.0	None.	+	8	8	0·15
7 „	.989	.367	68.0	66.2	1.8	65.2	.92	68.2	73.0	„	0.1					
8 „	30.016	.375	70.7	67.7	3.0	66.1	.86	70.9	73.1	NNE	0.2					
9 „	.047	.389	72.5	68.8	3.7	66.9	.84	72.3	73.4	NE b N	0.0					
10 „	.041	.384	74.4	69.4	5.0	66.9	.78	74.2	73.7	„	0.0					
11 „	.020	.362	77.8	70.5	7.3	66.9	.71	78.0	74.4	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌒⌣i nimbi.	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°9 and 80°9. At 10 A. M. the Reading of Barometer was 30.093in., the greatest during the month, and was about 0.073in. higher than the Normal Mean; the Range of the calculated Dew-Point was 20°1, greatest in the month.
0	L	Clear; dew falling.	
0	L	" "	
0	L	" "	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	Mist along W hor.; fog along E hor.	
0	C	Mist and fog in hor. as before.	
0	H	" " "	
0	H	" " "	
0	H	Mist in hor.	
0	H	"	
0	L	"	
0	L	"	
0	L	A few streaks of ⌒i in NW and W hor.	
0	L	A few ⌒i about zth. and in NE.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	⌒i in NW and N of zth.	
0	H	A few ⌒i in W; otherwise clear.	
0	H	A few ⌒i in NE and W; otherwise clear.	
0	H	" " "	
0	H	⌒i scattered in W and N hor.; otherwise clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°8.
0	L	A few streaks of ⌒i in N.	
0	L	Clear.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	Mist along W hor.; fog along E hor.	
0	C	Haze from SW to N hor.	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	A few ⌒i in SE and S hor.; mist around hor.	
0	L	Light mist in hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 80°8. 4th January was the first cloudless day from the begining of the year.
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	" "	
0	L	" "	
0	L	Mist in hor.	
0	L	"	
0	L	"	
0	C	Mist along W hor.; fog along E hor.	
0	C	" " "	
0	C	" " "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 8 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of electric charge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 4th—Noon.	29.984	29.262	80°2	73°0	7°2	69°8	0.72	78°7	74°9	N	0.0					
1 p. m.	.943	.256	80.4	72.1	8.3	68.2	.68	79.5	75.2	N b W	0.1		+	1		Above 10m.
2 „	.921	.180	81.2	73.8	7.4	70.6	.71	79.5	75.5	NNW	0.2		+	2		Above 10m.
3 „	.912	.145	81.2	74.5	6.7	71.6	.74	79.7	76.0	„	0.4		+	2		Above 10m.
4 „	.913	.187	79.8	73.0	6.8	69.9	.73	78.9	76.0	„	0.6		+	3		Above 10m.
5 „	.922	.182	77.2	72.6	4.6	70.5	.81	76.8	75.9	„	0.4	None.	+	2	None.	
6 „	.924	.184	75.2	72.0	3.2	70.5	.86	75.2	75.5	„	0.4					
7 „	.952	.206	74.6	72.0	2.6	70.8	.89	74.8	75.4	„	0.2					
8 „	.965	.207	74.2	72.2	2.0	71.3	.91	74.4	75.3	„	0.3					
9 „	.964	.186	73.4	72.5	0.9	72.1	.96	74.0	75.2	N b W	0.1					
10 „	.955	.209	72.0	70.5	1.5	69.7	.93	72.5	75.1	„	0.0					
11 „	.943	.249	71.0	69.4	1.6	68.6	.93	72.0	74.7	„	0.0					
Jan. 5th—Midnight	.928	.250	69.8	68.5	1.3	67.8	.94	71.0	74.4	N b W	0.1					
1 a. m.	.909	.266	69.0	67.2	1.8	66.2	.92	69.2	74.2	„	0.1		+	2		0.20
2 „	.900	.280	67.6	66.0	1.6	65.1	.92	68.9	73.9	„	0.1		+	1		Above 10m.
3 „	.894	.291	67.4	65.4	2.0	64.3	.90	68.2	73.5	„	0.1		+	3		1.30
4 „	.901	.276	66.9	65.9	1.0	65.4	.95	67.7	73.3	„	0.1		+	2		3.10
5 „	.899	.251	67.4	66.8	0.6	66.5	.97	68.7	73.0	„	0.1		+	1		Above 10m.
6 „	.919	.299	67.6	66.0	1 6	65.1	.92	68.2	72.9	N b E	0.1					
7 „	.956	.331	67.2	66.0	1.2	65.4	.94	69.0	72.9	„	0.1		+	2		2.30
8 „	.985	.348	70.2	67.4	2.8	65.9	.87	70.8	73.1	NNE	0.1		+	1		Above 10m.
9 „	30.002	.388	72.6	67.5	5.1	64.8	.78	72.6	73.4	NE b N	0.0		+	2		Above 10m.
10 „	.005	.392	74.2	68.0	6.2	64.8	.74	74.1	73.8	„	0.0		+	1		Above 10m.
11 „	29.980	.355	76.1	69.0	7.1	66.5	.71	76.0	74.1	„	0.0	None.	+	1	None.	Above 10m.
Noon.	.949	.285	78.5	70.9	7.6	67.2	.70	77.3	74.6	NNE	0.0		+	1		Above 10m.
1 p. m.	.908	.257	80.0	71.0	9.0	66.6	.65	78.7	75.0	N b E	0.1		+	1		Above 10m.
2 „	.892	.225	81.2	71.8	9.4	67.3	.64	79.6	75.4	NNW	0.2		+	1		Above 10m.
3 „	.884	.170	80.9	73.0	7.9	69.4	.69	79.7	75.7	„	0.3		+	1		Above 10m.
4 „	.885	.122	80.8	74.3	6.5	71.5	.74	79.4	76.0	„	0.5		+	5		Above 10m.
5 „	.891	.113	77.8	73.8	4 0	72.1	.83	77.2	75.8	„	0.2		+	4		0.50
6 „	.901	.149	75.4	72.4	3.0	71.0	.87	75.4	75.5	„	0.2		+	3		1.20
7 „	.922	.198	74.0	71.2	2.8	69.9	.88	74.2	75.3	„	0.3					
8 „	.935	.199	73.6	71.4	2.2	70.4	.90	73.8	75.2	„	0.4					
9 „	.939	.209	72.8	71.0	1.8	70.1	.92	72.7	75.0	N b W	0.0					
10 „	.938	.225	71.2	70.0	1.2	69.4	.94	71.9	74.7	„	0.0		+	1		Above 10m.
11 „	.929	.225	70.5	69.5	1.0	69.0	.95	71.2	74.5	„	0.0					
Jan. 6th—Midnight	.917	.923	69.5	68.4	1.1	67.8	.95	70.2	74.2	N b W	0.0					
1 a. m.	.897	.260	68.4	66.8	1.6	65.9	.92	69.4	74.0	„	0.0					
2 „	.877	.301	67.0	64.4	2.6	62.9	.88	68.2	73.5	„	0.1					
3 „	.868	.310	67.0	63.8	3.2	61.9	.85	67.8	73.3	„	0.1					
4 „	.866	.351	66.0	62.0	4.0	59.5	.81	67.0	73.0	„	0.1					
5 „	.888	.332	65.0	63.0	2.0	61.8	.90	66.2	72.5	„	0.1					
6 „	.902	.350	64.8	62.8	2.0	61.6	.90	65.5	72.3	„	0.1		+	3		2.0
7 „	.926	.320	65.4	64.8	0.6	64.4	.97	67.2	72.0	NNE	0.2					
8 „	.958	.332	70.0	67.0	3.0	65.4	.86	70.2	72.6	NE b N	0.1					
9 „	.973	.409	72.4	65.9	6.5	62.2	.72	72.2	73.0	„	0.1					
10 „	.967	.365	75.2	68.0	7.2	64.2	.70	75.0	73.5	„	0.1					
11 „	.947	.364	77.8	68.3	9.5	63.2	.63	77.2	74.0	„	0.0					
Noon.	.918	.324	78.3	68.8	9.5	63.8	.63	77.5	74.3	N b E	0.1	None.	+	1	None.	Above 10m.
1 p. m.	.886	.255	79.6	70.3	9.3	65.6	.64	78.7	74.6	NNW	0.3		+	1		Above 10m.
2 „	.857	.166	80.9	72.4	8.5	68.4	.67	79.0	75.2	„	0.4		+	1		Above 10m.
3 „	.853	.138	80.8	73.0	7.8	69.5	.70	79.4	75.5	„	0.5		+	2		Above 10m.
4 „	.858	.158	80.1	72.4	7.7	68.8	.70	78.7	75.6	„	0.5		+	1		Above 10m.
5 „	.874	.173	76.8	71.4	5.4	68.9	.78	76.4	75.4	„	0.4					
6 „	.887	.191	74.6	70.6	4.0	68.6	.83	74.8	75.2	„	0.5					
7 „	.912	.226	73.6	70.0	3.6	68.2	.84	73.8	75.0	N b W	0.3					
8 „	.941	.259	72.8	69.6	3.2	68.0	.86	73.0	74.8	„	0.2					
9 „	.953	.300	71.8	68.4	3.4	66.7	.85	72.8	74.5	„	0.3					
10 „	.952	.299	70.8	69.1	2.7	66.7	.88	71.3	74.2	„	0.2					
11 „	.944	.346	69.6	66.0	3.6	64.0	.84	69.9	74.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∿ cumulo-strati; and ≀∿ nimbi.	
0	C	Mist in hor.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°8.
0	H	" "	
0	H	" "	
0	H	" "	5th January a cloudless day.
0	H	" "	
0	L	" "	
0	L	Mist in hor.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	" "	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°8.
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	L	" "	
0	L	Cloudless.	
0	L	Mist along W; fog along E hor.	
0	L	" " "	
0	C	" " "	
0	C	" " "	
0	C	Light mist around hor.	
0	C	∿ scattered in hor. from ESE to NW; mist around hor.	
0	H	∿ in hor. from E to NW; mist in hor.	
0	H	∿ in hor. from E to N; mist around hor.	
0	H	A few ∿ in E, SE, SW, W, and NW above hor.; otherwise clear.	
0	H	A few light ∿ in hor. from SE to N.	
0	L	A few clouds in ESE hor.	
0	L	" "	
0	L	Clear.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Reduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in receiving the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 7th–Midnight	29.933	29.381	67°5	63°8	3°7	61°6	0.83	68°2	73°5	N b W	0·0					
1 a. m.	.920	.329	66.8	64.8	2.0	63.7	.90	67.8	73.3	„	0·0					
2 „	.898	.273	67.2	66.0	1.2	65.4	.94	67.9	73.0	„	0.1					
3 „	.893	.281	66.3	65.3	1.0	64.7	.95	67.2	72.9	„	0.1					
4 „	.894	.283	67.0	65.5	1.5	64.7	.93	67.5	72.8	N	0.1					•
5 „	.911	.303	65.8	65.0	0.8	64.5	.96	67.0	72.4	„	·0.1					
6 „	.925	.312	65.4	65.0	0.4	64.7	.98	66.4	72.2	„	0·1					
7 „	.959	.334	67.2	66.0	1.2	65.4	.94	68.0	72.2	NE b N	0·1					
8 „	.983	.350	69.4	67.0	2.4	65.7	.89	70.0	72.5	NE	0.2					
9 „	30.001	.410	70.8	66.2	4.6	63.7	.79	70.6	72.7	„	0.1					
10 „	29.994	.402	73.1	67.0	6.1	63.2	.74	73.2	73.0	NE b E	0·1					Above 10m.
11 „	.968	.330	75.2	69.1	6.1	66.0	.74	74.8	73.4	„	0·0	None.	+	1	None.	
Noon.	.933	.318	76.8	69.0	7.8	64.9	.68	76.2	73.7	NNE	0·0					
1 p. m.	.903	.274	78.8	70.0	8.8	65.5	.65	77.8	74.2	NNW	0.2		+	2		Above 10m.
2 „	.882	.163	79.8	72.8	7.0	69.7	.72	78.6	74.6	NW b N	0·4		+	1		Above 10m.
3 „	.873	.132	80.1	73.5	6.6	70.6	.74	78.8	75.0	„	0·5		+	1		Above 10m.
4 „	.874	.143	79.4	73.0	6.4	70.2	.74	78.2	75.1	„	0·4		+	1		Above 10m.
5 „	.886	.152	77.0	72.4	4.6	70.3	.81	76.2	75.2	„	0.3		+	1		Above 10m.
6 „	.895	.187	74.8	71.0	3.8	69.2	.84	74.8	74.9	„	0.4					
7 „	.913	.192	74.0	71.4	2.6	69.7	.89	74.2	74.8	NNW	0.2					
8 „	.932	.237	72.8	70.0	2.8	68.6	.88	72.8	74.6	„	0.1					
9 „	.941	.243	70.7	69.4	1.3	68.7	.94	71.2	74.3	„	0.0					
10 „	.941	.282	70.6	68.2	2.4	67.0	.89	71.2	74.1	„	0.0					
11 „	.929	.252	68.1	67.9	0.2	67.8	.99	70.2	73.7	„	0.0					
Jan. 8th–Midnight	.915	.240	69.5	68.3	1.2	67.7	.94	70.2	73.6	NNW	0.0					
1 a. m.	.905	.233	68.8	68.0	0.8	67.6	.96	69.4	73.5	„	0.0					
2 „	.895	.236	68.2	67.4	0.8	67.0	.96	68.7	73 3	„	0.0					
3 „	.891	.227	67.8	67.4	0.4	67.2	.98	68.3	73.1	„	0.0					
4 „	.892	.235	67.2	67.0	0.2	66.9	.99	68.0	72.9	„	0.0					
5 „	.903	.244	67.0	67.0	0.0	67.0	1.00	67.8	72.5	„	0.0					
6 „	.910	.240	67.8	67.6	0.2	67.5	0.99	68.5	72.6	„	0.2					
7 „	.936	.281	67.4	67.0	0.4	66.8	.98	68.2	72.5	NE b N	0.1					
8 „	.961	.324	69.6	67.2	2.4	65.9	.89	70.2	72.7	ENE	0.3					
9 „	.979	.320	73.0	69.0	4.0	67.0	.82	72.8	73.1	„	0.1					
10 „	.976	.332	74.4	69.0	5.4	66.3	.77	74.1	73.5	„	0.0					
11 „	.964	.272	76.6	71.1	5.5	68.5	.77	75.8	73.9	„	0.0	None.			None.	
Noon.	.935	.219	77.4	72.0	5.4	69.5	.78	76.4	74.2	N	0.1					
1 p. m.	.900	.268	78.3	69.9	8.8	65.7	.67	77.3	74.5	NNW	0.2					
2 „	.881	.153	79.6	73.0	6.6	70.0	.74	78.2	74.9	„	0.1					
3 „	.866	.133	79.8	73.2	6.6	70.2	.74	78.2	75.1	„	0.1		+	1		Above 10m.
4 „	.863	.095	79.4	74.0	5.4	71.7	.78	78.2	75.3	„	0.2					
5 „	.865	.128	76.8	72.4	4.4	70.4	.82	76.2	75.2	„	0.1					
6 „	.876	.148	75.0	71.6	3.4	70.0	.85	75.0	75.1	„	0.3		+	2		Above 10m.
7 „	.895	.166	74.2	71.4	2.8	70.1	.88	74.2	74.9	„	0.2					
8 „	.898	.205	73.0	70.0	3.0	68.5	.87	73.2	74.7	„	0.2					
9 „	.901	.204	72.6	70.0	2.6	68.7	.88	72.7	74.5	„	0.0					
10 „	.897	.202	72.2	69.8	2.4	68.6	.89	72.2	74.4	N b W	0.1					
11 „	.888	.240	69.5	67.5	2·0	66.5	.91	70.2	74.0	„	0.0					
Jan. 9th–Midnight	.875	.281	68.6	65.5	3.1	63.8	.86	69.2	73.7	N b W	0.0					
1 a. m.	.870	.296	67.8	64.6	3.2	62.8	.85	68.5	73.5	„	0.0					
2 „	.857	.272	67.3	64.8	2.5	63.3	.88	68.2	73.0	„	0.1					
3 „	.847	.256	67.4	65.0	2.4	63.6	.89	68.0	73.0	N	0.1					
4 „	.848	.222	68.2	66.4	1.8	65.4	.91	68.7	73.0	„	0.1					
5 „	.861	.315	64.8	62.6	2.2	61.3	.89	66.0	72.2	„	0.1					
6 „	.865	.263	65.2	64.6	0.6	64.2	.97	65.5	72.1	„	0.1					
7 „	.896	.298	65.6	64.6	1.0	64.0	.95	66.2	72.0	„	0.1	None.				
8 „	.934	.288	69.6	67.4	2.0	66.4	.91	70.1	72.3	„	0·0		+	Out of Sc.	22	0.13
9 „	.945	.366	71.9	66.2	5.7	63.0	.75	72.2	72.7	„	·0.1		+	2		Above 10m.
10 „	.951	.403	74.7	66.2	8.5	61.4	.64	74.2	73.2	N b E	0.1		+	1		Above 10m.
11 „	.925	.361	76.2	67.2	9.0	62.2	.64	75.5	73.5	NE b N	0.0		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ⌒≤ nimbi.	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°8.
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	" "	
0	L	" "	
0	L	" "	
0	L	A few streaks of ≤ in W, NW, and N; mist and fog in hor.	
0	L	" " "	
0	C	" " "	
0	C	≤ around hor., except in NE; mist in hor.	
0	C	≤ around hor., except in E and SE.	
0	C	≤ scattered around hor.	
3	H	Light ≤ scattered about.	
4	H	" "	
3	H	" "	
3	H	" "	
1	L	" "	
3	L	" "	
0	L	Clear, except in hor.	
0	L	" "	
1	C	≤ scattered in W hem.; dew falling.	
3	C	≤ scattered about; dew falling.	
1	C	" "	
2	C	≤ scattered about; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°8.
2	H	" "	
2	H	≤ scattered about hor.; dew falling.	
1	H	" " "	
0	H	Clear; dew falling.	
0	L	" "	
1	L	≤ scattered scattered along E hor.	
2	L	≤ along E hor. as before; mist and fog in hor.	
2	L	" " "	
2	L	" " "	
1	C	" " "	
0	C	" " "	
0	C	≤ along E hor.; mist along W hor.	
1	H	" " "	
1	H	≤ scattered about E hor.	
1	H	" "	
1	H	" "	
0	L	A few streaks of ≤ in NE and E.	
0	L	Clear, except in hor.	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	" "	
0	C	Clear; dew falling.	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°8.
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	L	" "	
0	L	A few ≤ in E and SE hor.; mist around hor.	
0	L	" " "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	C	Mist around hor.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 9th–Noon.	29.895	29.261	78°6	70°1	8°5	65°8	0.67	78°0	74°0	N	0.1					
1 p. m.	.857	.181	79.4	71.5	7.9	67.8	.69	78.2	74.8	NNW	0.6					
2 „	.830	.179	80.0	71.0	9.0	66.6	.65	78.6	74.8	„	0.8		+	2		Above 10m.
3 „	.825	.173	79.9	71.0	8.9	66.6	.66	78.8	75.0	„	0.8		+	1		Above 10m.
4 „	.826	.152	79.2	71.4	7.8	67.7	.69	78.2	75.2	„	0.6		+	1		Above 10m.
5 „	.829	.148	76.6	70.8	5.8	68.0	.76	75.7	75.1	„	0.5	None.			None.	
6 „	.840	.165	74.6	70.0	4.6	67.7	.80	74.8	74.7	„	0.6					
7 „	.873	.238	74.0	68.6	5.4	65.8	.77	74.0	74.5	„	0.6					
8 „	.891	.272	73.6	68.0	5.6	65.1	.76	73.8	74.5	„	0.5					
9 „	.899	.251	73.4	68.8	4.6	66.5	.80	73.2	74.4	„	0.3		+	2		Above 10m.
10 „	.894	.341	70.8	65.0	5.8	61.6	.74	70.7	74.1	N b W	0.1		+	1		Above 10m.
11 „	.895	.348	68.3	63.9	4.4	61.3	.80	68.2	73.5	N	0.0		+	1		Above 10m.
Jan. 10th–Midnight	.885	.398	67.7	61.7	6.0	57.8	.72	68.3	73.1	N	0.0		+	2		Above 10m.
1 a. m.	.867	.306	68.4	64.4	4.0	62.1	.81	68.8	73.1	„	0.1		+	1		Above 10m.
2 „	.855	.279	68.2	64.8	3.4	62.9	.84	68.7	73.0	„	0.1		+	1		Above 10m.
3 „	.844	.262	68.2	65.0	3.2	63.2	.85	68.7	72.9	„	0.2					
4 „	.844	.235	69.2	66.2	3.0	64.6	.86	69.4	72.9	„	0.2					
5 „	.855	.367	65.8	61.0	4.8	57.9	.78	66.8	72.3	„	0.1					
6 „	.857	.367	65.6	61.0	4.6	58.0	.78	66.3	72.0	„	0.1					
7 „	.896	.347	66.2	63.2	3.0	61.4	.85	67.4	71.9	„	0.1					
8 „	.920	.334	69.6	65.6	4.0	63.4	.82	69.9	72.1	N b E	0.1		+	6		3.20
9 „	.950	.376	72.4	66.2	6.2	62.8	.73	72.1	72.6	„	0.1		+	2		Above 10m.
10 „	.948	.382	74.3	66.6	7.7	62.3	.68	74.0	73.0	NNE	0.1		+	2		Above 10m.
11 „	.929	.313	76.6	68.9	7.7	64.4	.69	75.7	73.5	N b E	0.1	None.	+	2	None.	Above 10m.
Noon.	.906	.269	77.8	69.9	7.9	65.9	.68	76.6	73.8	NNW	0.1		+	2		Above 10m.
1 p. m.	.880	.211	80.0	71.5	8.5	67.4	.67	79.0	74.5	NW b N	0.2		+	1		Above 10m.
2 „	.865	.111	80.6	74.0	6.6	71.1	.74	79.4	74.9	„	0.3		+	2		Above 10m.
3 „	.854	.109	80.4	73.7	6.7	70.7	.73	79.1	75.0	NNW	0.6					
4 „	.853	.135	79.5	72.7	6.8	69.6	.73	78.3	75.3	„	0.6					
5 „	.856	.149	76.6	71.5	5.1	69.1	.79	76.0	75.2	„	0.8					
6 „	.866	.170	74.6	70.6	4.0	68.6	.83	74.4	74.8	„	0.9					
7 „	.894	.214	74.2	70.0	4.2	67.9	.82	74.2	74.6	„	0.8					
8 „	.917	.265	73.6	69.0	4.6	66.6	.80	73.6	74.5	„	1.0					
9 „	.927	.341	72.2	66.5	5.7	63.4	.75	72.2	74.2	N b W	0.6					
10 „	.932	.377	70.6	65.0	5.6	61.8	.75	70.8	74.0	„	0.3					
11 „	.929	.378	69.6	64.5	5.1	61.5	.77	70.2	73.6	„	0.1					
Jan. 12th–Midnight	.864	.138	71.6	70.5	1.1	69.9	.95	72.0	74.2	NNE	0.0					
1. a. m.	.854	.159	70.4	69.2	1.2	68.6	.94	70.8	74.0	„	0.0					
2 „	.844	.160	70.7	69.0	1.7	68.1	.92	71.4	74.0	„	0.0					
3 „	.833	.148	70.6	69.0	1.6	68.1	.93	71.0	73.9	„	0.0					
4 „	.835	.163	70.6	68.6	2.0	67.6	.91	71.2	73.8	NE	0.0					
5 „	.847	.195	70.6	68.0	2.6	66.6	.88	70.8	73.6	NE b E	0.2					
6 „	.865	.243	70.4	67.0	3.4	65.2	.85	70.6	73.3	„	0.2					
7 „	.886	.224	70.9	68.4	2.5	67.1	.89	71.6	73.4	„	0.3					
8 „	.915	.267	74.0	69.0	5.0	66.5	.78	75.7	73.8	ENE	0.2					
9 „	.937	.281	76.4	70.0	6.4	66.8	.73	76.0	74.3	„	0.2					
10 „	.936	.305	78.6	70.0	8.6	65.6	.66	78.2	74.7	NE b E	0.2					
11 „	.915	.300	81.6	70.5	11.1	64.9	.59	81.2	75.3	„	0.1	None.	+	1	None.	Above 10m.
Noon.	.879	.264	84.9	71.5	13.4	64.9	.53	84.2	76.0	„	0.2					
1 p. m.	.841	.282	87.6	70.8	16.8	62.0	.44	85.7	76.8	NE	0.1		+	1		Above 10m.
2 „	.815	.290	88.2	70.0	18.2	60.1	.41	86.2	77.3	„	0.0		+	1		Above 10m.
3 „	.795	.288	89.8	70.0	19.8	59.0	.37	88.7	77.8	„	0.1		+	1		Above 10m.
4 „	.788	.005	87.8	76.8	11.0	72.3	.61	85.2	78.0	NNW	0.2		+	1		Above 10m.
5 „	.793	28.930	82.8	77.4	5.4	75.3	.79	81.4	77.8	„	0.3		+	1		Above 10m.
6 „	.803	.994	78.4	74.8	3.6	73.3	.85	78.2	77.3	NW b N	0.2					
7 „	.822	29.067	77.2	73.0	4.2	71.2	.82	77.4	77.0	„	0.2					
8 „	.846	.087	76.8	73.0	3.8	71.3	.84	77.0	76.8	„	0.1					
9 „	.858	.084	76.1	73.2	2.9	71.9	.88	76.2	76.7	NNW	0.1					
10 „	.866	.147	74.8	71.3	3.5	69.7	.85	74.9	76.4	„	0.0		+	1		Above 10m.
11 „	.856	.198	73.4	69.1	4.3	66.9	.81	74.0	76.2	„	0.0					

Amount of Clouds. 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ∿_ cirro-strati; ⌒_ cumulo-strati; and ∿∿_ nimbi.	
0	C	Mist around hor.	
0	H	"	
0	H	"	
0	H	"	
0	H	A few streaks of ∿ along E hor.	
0	L	" " "	
0	L	Clear, except in hor.	
0	L	" "	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°8.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	A few streaks of ∿ along E hor.	
0	L	" " "	
0	L	Mist and fog in hor.	
0	C	" "	
0	C	Mist around hor.	
0	C	"	
0	C	"	
0	H	"	
0	H	A few ∿ along E hor.; mist around hor.	
0	H	Clouded as before.	
0	H	"	
0	H	"	
0	H	∿ scattered here and there.	
0	H	Clear, except in hor.	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°5 and 80°6. The Temperature of External and Free Air at 3 P. M. was 89°8, the greatest during the month; and its Range 19.00, was also greatest during the month; the Reading of Barometer at 4 P. M. was least during the month, and about 0.090in. lower than the Normal Mean. 12th January was the third cloudless day from the beginning of the year.
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	" "	
0	L	" "	
0	L	Clear.	
0	L	Mist and fog in hor.	
0	L	" "	
0	C	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the usual degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 13th—Midnight	29.849	29.203	71°2	68°0	3°8	66°4	0.86	72°2	75°6	NNW	0.0		+			
1 a. m.	.843	.120	71.6	70.4	1.2	69.8	.95	72.2	75.5	„	0.0					
2 „	.829	.168	72.8	69.0	3.8	67.1	.83	73.2	75.5	N b E	0.0					
3 „	.813	.154	73.0	69.0	4.0	67.0	.82	73.2	75.4	NE b N	0.1					
4 „	.818	.123	72.8	70·0	2.8	68.6	.88	73.0	75.3	„	0.1					
5 „	.833	.176	72.6	68.8	3.8	66.9	.83	72.8	74.8	„	0.1					
6 „	.851	.196	72.8	68.8	4.0	66.8	.82	72.8	74.8	NE	0.1					
7 „	.875	.266	72.8	67.4	5.4	64.6	.77	73.0	74.8	„	0.1					
8 „	.910	.213	75.2	70.8	4.4	68.9	.81	75.2	75.1	NE b E	0.1		+	1		Above 10m.
9 „	.930	.265	76.2	70.2	6.0	67.2	.75	76.2	75.3	„	0.1					
10 „	.928	.238	79.7	70.6	9.1	66.1	.65	79.2	75.9	„	0.1					
11 „	.912	.269	82.4	71.5	10.9	66.2	.59	82.1	76.5	„	0.0					
Noon.	.876	.241	85.4	72.2	13.2	65.8	.53	84.2	77.1	„	0.0	None.	+	2	None.	Above 10m.
1 p. m.	.841	.229	86.8	72.0	14.8	64.7	.50	84.8	77.5	NE	0.0		+	3		Above 10m.
2 „	.811	.203	88.8	72.5	16.3	64.5	.46	86.2	78.0	„	0.0		+	1		Above 10m.
3 „	.808	28.920	87.2	79.2	8.0	76.2	.71	84.4	78.4	NNW	0.2		+	1		Above 10m.
4 „	.811	.986	84.0	76.8	7.2	73.9	.73	82.7	78.4	NW	0.3					
5 „	.822	29.025	81.6	75.4	6.2	72.9	.76	81.0	78.1	NW b N	0.2					
6 „	.837	.096	77.8	72.8	5.0	70.6	.79	77.7	77.7	„	0.5					
7 „	.853	.133	77.0	72.0	.50	69.7	.79	77.4	77.4	„	0.4					
8 „	.884	.164	77.0	72.0	5.0	69.7	.79	77.2	77.3	„	0.3					
9 „	.894	.164	76.7	72.2	4.5	70.1	.81	76.7	77.2	„	0.1					
10 „	.899	.129	75.4	72.9	2.5	71.8	.89	76.0	77.0	„	0.0					
11 „	.889	.165	73·1	70.9	2.2	69.9	.90	74.2	76.5	„	0.0		+	4		Above 10m.
Jan. 14th—Midnight	.886	.223	72.6	69.0	3.6	67.2	.84	73.0	76.2	NW b N	0.0					
1 a. m.	.874	.112	73.2	72.0	1.2	71.4	.95	73.2	76.2	„	0.0		+	1		Above 10m.
2 „	.864	.141	72.8	70.8	2.0	69.8	.91	73.0	76.0	„	0.0					
3 „	.848	.164	71.4	69.2	2.2	68.1	.90	72.2	75.6	„	0.0					
4 „	.841	.178	72.6	69.0	3.6	67.2	.84	72.9	75.6	NE b N	0.1					
5 „	.851	.201	72.6	68.6	4.0	66.6	.82	72.8	75.5	„	0.2					
6 „	.859	.248	72.6	67.4	5.2	64.7	.77	73.2	75.4	„	0.2					
7 „	.883	.197	73.6	70.0	3.6	68.2	.84	73.8	75.4	„	0.1					
8 „	.912	.262	74.4	69.2	5.2	66.6	.78	74.6	75.5	„	0.1					
9 „	.942	.335	78.4	69.2	9.2	64.5	.64	78.1	76.0	„	0.1					
10 „	.936	.281	79.6	71.0	8.6	66.8	.67	78.5	76.5	NE	0.0					
11 „	.913	.320	81.7	69.9	11.8	63.8	.56	79.8	76.7	„	0.1					
Noon.	.890	.323	84.1	69.9	14.2	62.4	.50	83.2	77.2	NE b E	0.0	None.			None.	
1 p. m.	.857	.337	86.2	69.2	17.0	59.8	.43	85.2	77.7	„	0.0		+	1		Above 10m.
2 „	.833	.218	88.8	72.7	16.1	64.9	.47	86.2	78.4	„	0.0		+	2		Above 10m.
3 „	.822	28.915	87.4	79.7	7.7	76.9	.72	85.2	78.5	NW b N	0.2		+	2		Above 10m.
4 „	.816	.983	84.0	77.0	7.0	74.2	.73	82.7	78.5	„	0.2					
5 „	.826	.924	81.4	78.0	3.4	76.7	.86	81.0	78.3	„	0.1					
6 „	.831	.971	79.4	76.4	3.0	75.2	.88	79.6	78.0	„	0.1					
7 „	.865	29.094	77.8	73.6	4.2	71.8	.83	78.0	77.9	„	0.1					
8 „	.880	.232	76.4	69.8	6.6	66.5	.73	77.0	77.5	„	0.1					
9 „	.897	.179	77.2	72.0	5.2	69.6	.78	77.5	77.5	„	0.0					
10 „	.901	.206	76.0	71.0	5.0	68.6	.79	76.1	77.4	„	0.0					
11 „	.897	.140	76.3	72.8	3.5	71.2	.85	76.6	77.1	„	0.0					
Jan. 15th—Midnight	.884	.126	76.0	73.0	3.0	71.7	.87	76.2	77.1	NW b N	0.0					
1 a. m.	.883	.181	75.4	71.0	4.4	68.9	.81	75.9	77.0	„	0.1					
2 „	.875	.176	75.6	71.0	4.6	68.8	.81	76.0	77.0	„	0.1					
3 „	.866	.159	74.6	70.9	3.7	69.1	.84	74.8	76.7	NNW	0.1					
4 „	.860	.209	72.8	68.7	4.1	66.6	.82	73.3	76.4	„	0.0					
5 „	.868	.096	73.6	72.4	1.2	71.8	.95	74.2	76.2	„	0.1					
6 „	.880	.143	73.2	71.3	1.9	70.4	.91	73.8	76.1	„	0.0					
7 „	.902	.162	72.3	71.1	1.2	70.5	.95	73.2	76.0	„	0.0	None.			None	
8 „	.932	.211	73.0	70.8	2.2	69.7	.90	73.7	75.9	„	0.0					
9 „	.947	.229	77.2	72.0	5.2	69.6	.78	76.8	76.4	„	0.0		+	5		1.30
10 „	.942	.226	79.4	72.6	6.8	69.5	.73	79.4	76.8	„	0.1					
11 „	.938	.217	80.3	73.0	7.3	69.7	.71	79.7	77.1	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒ cirri; ⌒ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
0	C	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°3 and 80°4.
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	" "	
1	L	A few ⌒ along E hor.	
2	L	⌒ scattered about hor. from NE to S. [mist in hor.	
5	L	⌒ scattered in E hem.; ⌒ in N and W; ⌣ about W, NW, and N hor.;	
6	L	⌒ scattered throughout; ⌒ in W, NW, and N above hor.; mist in hor.	
6	C	⌒ and ⌒ scattered throughout, the former moving ENE; mist in hor.	
2	C	⌒ around hor.; ⌒ scattered throughout; mist in hor.	
2	C	⌒ and ⌒ scattered throughout; mist in hor.	
1	C	" " "	
2	H	⌒ around hor.; ⌒ scattered here and there; mist in hor.	
2	H	" " " "	
6	H	⌒ and ⌒ scattered throughout.	
5	H	" "	
5	L	⌒ scattered throughout.	
4	L	" "	
2	L	⌒ scattered about hor.	
2	L	" "	
1	C	" "	
1	C	" "	
1	C	" "	
0	C	⌒ scattered along E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°3 and 80°4. The Temperature of calculated Dew-Point at 3 P. M. was 76°9, the greatest in the month; and the Temperature of Evaporation was also greatest at that hour during the month, and about 7°5 greater than the Normal Mean.
0	H	Clear; dew falling.	
0	H	A few ⌒ in E hem.; dew falling.	
0	H	A few ⌒ in E and W above hor.; dew falling.	
0	H	" " " "	
3	L	⌒ scattered about.	
8	L	⌒ and ⌒ scattered throughout, the latter moving N.	
8	L	" " "	
8	L	" " "	
8	C	⌒ and ⌒ scattered throughout, the latter moving NNE; mist in hor.	
8	C	" " " " "	
6	C	" " " " "	
5	C	⌒ and ⌒ scattered about; ⌣ from SW to N hor.; mist in hor.	
7	H	⌒ and ⌒ scattered throughout, the latter moving N; mist in hor.	
7	H	⌒ and ⌒ scattered throughout, the latter moving NE; mist in hor.	
7	H	Clouded as before.	
7	H	" "	
7	L	" "	
7	L	" "	
6	L	⌒ and ⌒ scattered throughout, except in NE and SE.	
7	L	⌒ and ⌒ scattered throughout.	
7	C	" "	
5	C	⌒ and ⌒ scattered about, moving E.	
8	C	⌒ and ⌒ scattered throughout, the former moving E.	
5	C	⌒ and ⌒ scattered about, the latter moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°3 and 80°4.
2	H	⌒ scattered about hor.	
6	H	⌒ and ⌒ scattered throughout, the latter moving E.	
7	H	" " "	
5	H	⌒ and ⌒ scattered about.	
5	C	" "	
8	C	Overcast with ⌒ and ⌒; mist and fog in hor.	
6	C	⌒ and ⌒ scattered throughout; mist and fog in hor.	
3	C	⌒ scattered in E hem., moving E; mist and fog in hor.	
1	L	⌒ scattered in E hem.; few patches in W above hor.; mist around hor.	
1	L	⌒ scattered in E hem.; mist around hor.	
1	L	Patches of ⌒ and ⌒ about E hor.; mist in hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds after the time of discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 15th—Noon.	29.898	29.166	82°0	73°8	8°2	70°2	0.69	81°2	77°5	N b W	0.1					
1 p. m.	.869	.113	85.3	75.4	9.9	71.2	.64	83.5	78.0	NNW	0.1		+	1.		Above 10m.
2 „	.836	.092	86.4	75.4	11.0	70.7	.61	84.5	78.4	„	0.1		+	3		Above 10m.
3 „	.821	.047	86.8	76.3	10.5	71.9	.63	84.6	78.7	„	0.1		+	2		Above 10m.
4 „	.823	.038	86.2	76.4	9.8	72.4	.65	84.2	78.9	„	0.1		+	1		Above 10m.
5 „	.830	28.976	83.6	77.0	6.6	75.0	.75	82.2	78.9	„	0.1	None.	+	2	None.	Above 10m.
6 „	.839	.994	80.4	76.3	4.1	74.7	.83	80.0	78.5	„	0.0					
7 „	.861	.967	79.2	77.2	2.0	76.4	.92	78.7	78.2	NW b N	0.1					
8 „	.886	29.011	78.0	76.4	1.6	75.8	.93	78.1	78.2	„	0.0					
9 „	.889	.105	75.6	73.3	2.3	72.3	.90	75.7	77.8	„	0.0					
10 „	.893	.082	74.8	73.8	1.0	73.4	.96	75.2	77.5	„	0.0					
11 „	.885	.118	74.0	72.4	1.6	71.6	.93	74.2	77.3	„	0.0					
Jan. 16th—Midnight	.877	.071	73.2	73.2	0.0	73.2	1.00	74.2	77.0	NW b N	0.0					
1 a. m.	.867	.119	73.8	71.8	2.0	70.9	0.91	74.0	77.0	„	0.0					
2 „	.854	.099	72.2	71.5	0.7	71.2	.97	73.2	76.8	„	0.0					
3 „	.856	.166	71.4	69.4	2.0	68.4	.91	72.2	76.5	„	0.0					
4 „	.857	.172	71.3	69.2	2.1	68.1	.90	72.1	76.2	„	0.0					
5 „	.869	.176	69.9	69.0	0.9	68.5	.96	71.4	75.7	„	0.1					
6 „	.889	.355	68.4	63.7	4.7	60.6	.80	69.0	75.4	„	0.0					
7 „	.910	.255	70.4	68.0	2.4	66.8	.89	71.6	75.4	„	0.0					
8 „	.939	.270	73.7	69.5	4.2	67.4	.82	74.3	75.6	N b W	0.0					
9 „	.956	.267	76.6	71.0	5.6	68.3	.77	76.0	76.0	„	0.1		+	4		Above 10m.
10 „	.949	.233	78.0	72.2	5.8	69.5	.76	77.4	76.3	„	0.1		+	6	6	Above 10m.
11 „	.936	.242	79.4	72.0	7.4	68.6	.71	78.7	76.7	„	0.1	None.	+	5	5	3.30
Noon.	.901	.174	81.0	73.4	7.6	70.0	.70	79.6	77.0	N	0.1		+	2		Above 10m.
1 p. m.	.883	.121	82.5	74.8	7.7	71.4	.71	81.0	77.4	N b W	0.2		+	2		Above 10m.
2 „	.862	.134	83.0	74.0	9.0	70.9	.66	81.5	77.7	NW b N	0.3		+	2		Above 10m.
3 „	.854	.084	82.6	75.0	7.6	71.8	.71	81.1	78.0	„	0.5		+	2		Above 10m.
4 „	.858	.029	80.8	76.0	4.8	74.1	.81	80.0	78.0	„	0.6		+	1		Above 10m.
5 „	.865	.125	77.9	72.8	5.1	70.5	.79	77.6	77.6	„	0.4		+	2		Above 10m.
6 „	.873	.145	76.3	72.0	4.3	70.0	.81	76.2	77.2	„	0.2		+	2		Above 10m.
7 „	.888	.168	75.7	71.6	4.1	69.7	.83	76.0	77.0	„	0.3					
8 „	.919	.212	75.3	71.1	4.2	69.1	.82	75.3	76.9	„	0.1		+	1		Above 10m.
9 „	.937	.216	74.9	71.4	3.5	69.7	.85	75.0	76.8	„	0.1		+	7	7	Above 10m.
10 „	.936	.249	73.5	70.0	3.5	68.2	.85	74.2	76.5	„	0.1		+	2		Above 10m.
11 „	.913	.266	72.7	68.7	4.0	66.6	.82	72.7	76.2	„	0.0		+	6	6	2.10
Jan. 18th—Midnight	.944	.365	71.4	66.0	5.4	63.0	.76	72.0	75.5	N	0.2		+	1		Above 10m.
1 a. m.	.925	.383	71.8	65.0	6.8	61.0	.71	72.0	75.5	„	0.2		+	1		Above 10m.
2 „	.901	.290	72.3	67.3	5.0	64.8	.78	72.4	75.4	N b W	0.4					
3 „	.891	.301	71.9	66.5	5.4	63.6	.76	71.8	75.3	„	0.5					
4 „	.884	.254	71.4	67.6	3.8	65.6	.83	71.6	75.0	„	0.5					
5 „	.890	.244	71.2	68.0	3.2	66.4	.86	71.5	74.9	„	0.4					
6 „	.916	.402	68.8	63.0	5.8	59.4	.74	68.2	74.5	N b E	0.1					
7 „	.950	.449	66.7	61.8	4.9	58.7	.77	67.2	73.9	NNE	0.1		+	1		Above 10m.
8 „	.985	.420	69.7	65.0	4.7	62.3	.79	70.3	74.0	„	0.0		+	1		Above 10m.
9 „	30.017	.480	73.4	65.4	8.0	60.8	.66	73.0	74.4	„	0.1		+	3		Above 10m.
11 „	.011	.506	75.2	65.0	10.2	58.9	.59	74.6	74.7	N b E	0.1		+	3		Above 10m.
10 „	29.979	.450	77.4	66.5	10.9	60.3	.57	76.5	75.2	„	0.1		+	2		Above 10m.
Noon.	.952	.368	78.6	68.6	10.0	63.3	.61	77.0	75.4	„	0.1	None.	+	2	None.	Above 10m.
1 p. m.	.901	.250	80.0	71.0	9.0	66.6	.65	79.2	75.8	NNW	0.2		+	2		Above 10m.
2 „	.875	.233	80.2	70.8	9.4	66.2	.64	79.0	76.0	„	0.4		+	2		Above 10m.
3 „	.864	.248	80.0	70.0	10.0	64.9	.62	79.0	76.3	„	0.5		+	2		Above 10m.
4 „	.858	.265	79.0	69.0	10.0	63.8	.61	78.1	76.3	„	0.5		+	1		Above 10m.
5 „	.867	.314	76.6	67.0	9.6	61.6	.62	76.2	76.1	„	0.4		+	1		Above 10m.
6 „	.874	.336	74.5	65.8	8.7	60.8	.64	74.2	75.6	„	0.3		+	1		Above 10m.
7 „	.894	.358	73.9	65.5	8.4	60.7	.65	74.0	75.5	„	1.0		+	1		Above 10m.
8 „	.916	.376	73.5	65.5	8.0	60.9	.67	73.7	75.4	„	1.2		+	1		Above 10m.
9 „	.916	.359	72.3	65.8	7.0	61.9	.70	72.7	75.2	N	0.4		+	1		Above 10m.
10 „	.915	.386	69.6	63.8	5.8	60.3	.74	69.8	74.6	„	0.1		+	2		Above 10m.
11 „	.914	.398	68.6	63.0	5.6	59.6	.74	69.0	74.3	„	0.1		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Norn.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
1	L	Patches of and about E hor.; mist in hor. [mist in hor.	
1	H	scattered along E hor.; patches of scattered here and there, moving N;	
1	H	scattered along E hor.; light mist in hor.	
1	H	" "	
0	H	A few patches of and scattered about hor. from NE to S; mist in hor.	
0	C	" " " " "	
0	C	" " " " "	
0	C	A few along E hor.; otherwise clear.	
0	C	Clear; dew falling.	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Clear; dew falling copiously.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°5 and 80°2.
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	C	" "	
0	C	A few in E hor.; mist in hor.	
0	C	Mist and fog in hor.	
0	C	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	H	Mist around hor.	
0	H	"	
0	H	"	
0	H	"	
0	C	"	
0	C	"	
0	C	Clear.	
0	C	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°9 and 80°1. The Range of Barometer was 0.159in., the greatest during the month. 18th January was the fourth cloudless day from the beginning of the year.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	Mist in hor.	
0	R	Fog and mist in hor.	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Mist in hor.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	Clear.	
0	R	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 19th–Midnight	29.903	29.354	68°4	64°0	4°4	61°4	0.80	69°2	74°0	N	0.1		+	2		Above 10m.
1 a. m.	.885	.325	70·2	65.0	5.2	62.0	.77	70.0	74.2	„	0.4		+	1		Above 10m.
2 „	.860	.366	69·3	62.5	6.8	58.3	.69	69.2	74.0	„	0.3		+	1		Above 10m.
3 „	.861	.363	67.0	61.8	5.2	58.5	.76	68.0	73.5	„	0.5		+	1		Above 10m.
4 „	.858	.342	68.6	63.0	5.6	59.6	.75	68.2	73.5	„	0.2		+	1		Above 10m.
5 „	.859	.386	65.9	60.5	5.4	57.0	.74	66.5	72.9	„	0.1		+	1		Above 10m.
6 „	.883	.379	64.9	61.2	3.7	58.9	.82	66.0	72.5	N b E	0.1		+	1		Above 10m.
7 „	.909	.481	64.2	58.3	5.9	54.0	.71	65.5	72.2	„	0.1		+	2		Above 10m.
8 „	.929	.413	69.2	63.2	6.0	59.6	.73	70.1	72.6	„	0.1					
9 „	.956	.427	73.0	65.0	8.0	60.3	.66	72.7	73.1	NNE	0.1		+	2		Above 10m.
10 „	.951	.469	75.0	64.2	8.8	57.5	.56	74.5	73.5	„	0.1		+	1		Above 10m.
11 „	.941	.361	77.2	68.0	9.2	63.1	.63	76.2	74.0	N	0·3	None.	+	2	None.	Above 10m.
Noon.	.906	.344	79.4	68.2	11.2	62.1	.57	78.5	74.5	„	0.5		+	2		Above 10m.
1 p. m.	.860	.246	81.4	70.4	11.0	64.8	.59	79.8	75.2	NNW	0.5		+	2		Above 10m.
2 „	.833	.219	80.2	70.0	10.2	64.8	.61	79.2	75.5	„	1.0		+	2		Above 10m.
3 „	.821	.175	80.2	70.9	9.3	66.4	.64	79.2	75.6	„	0.8		+	1		Above 10m.
4 „	.824	.170	79.4	70.9	8.5	66.7	.67	78.2	75.8	„	1.0		+	2		Above 10m.
5 „	.831	.195	77.2	69.7	7.5	65.9	.70	76.2	75.7	„	0.6		+	2		Above 10m.
6 „	.841	.206	74.6	68.8	5.8	65.8	.75	74.2	75.2	„	0.4		+	2		Above 10m.
7 „	.868	.234	73.8	68.5	5.3	65.6	.77	73.8	75.1	„	0.4		+	1		Above 10m.
8 „	.889	.229	72.9	69.0	3.9	67.0	.83	73.0	75.0	„	0.4					
9 „	.905	.320	71.4	66.2	5.2	63.3	.77	71.2	74.6	N	0.3					
10 „	.910	.370	68.6	63.8	4.8	60.9	.78	69.2	74.1	„	0.1		+	2		Above 10m.
11 „	.903	.350	68.6	64.2	4.4	61.6	.80	69.4	73.9	N b W	0.1		+	1		Above 10m.
Jan. 20th–Midnight	.892	.429	68·0	61.0	7.0	56.4	.68	69.2	73.5	N	0.2		+	1		Above 10m.
1 a. m.	.883	.401	67.4	61.4	6.0	57.5	.72	67.5	73.2	„	0.3		+	1		Above 10m.
2 „	.873	.390	66.3	61.0	5.3	57.6	.75	67.0	73.0	„	0.2		+	1		Above 10m.
3 „	.859	.405	66.2	60.0	6.2	55.7	.71	66.9	72.9	N b E	0.2		+	1		Above 10m.
4 „	.859	.421	65.0	59.0	6.0	54.7	.71	65.8	72.5	„	0.1		+	1		Above 10m.
5 „	.869	.439	64.5	58.5	6.0	54.1	.71	65.6	71.9	„	0.1		+	1		Above 10m.
6 „	.892	.455	64.4	58.7	5.7	54.6	.72	65.2	71.7	„	0.1		+	1		Above 10m.
7 „	.922	.553	64.3	56.2	8.1	49.6	.61	65.0	71.5	„	0.2					
8 „	.959	.594	67.9	58.1	9.8	49.3	.56	68.2	71.7	„	0.1		+	1		Above 10m.
9 „	.977	.558	71.7	60.9	10.8	53.4	.55	71.2	72.2	„	0.1		+	1		Above 10m.
10 „	.966	.526	74.4	62.6	11.8	54.8	.53	73.7	72.7	„	0.1		+	1		Above 10m.
11 „	.941	.475	77.0	64.4	12.6	56.5	.51	75.9	73.3	N b W	0.3	None.	+	1		Above 10m.
Noon.	.908	.408	79.1	66.2	12.9	58.6	.51	77.8	73.8	„	0.3		+	1		Above 10m.
1 p. m.	.860	.340	79.6	67.0	12 6	59.8	.53	78.1	74.2	NNW	0.5		+	2		Above 10m.
2 „	.838	.236	79.8	69.5	10.3	64.2	.61	78.2	74.8	„	0.6		+	2		Above 10m.
3 „	.827	.190	80.0	70.6	9.4	65.9	.64	78.8	75.0	„	0.6		+	2		Above 10m.
4 „	.828	.171	78.8	70.8	8.0	66.9	.68	77.5	75.0	„	0.5		+	1		Above 10m.
5 „	.835	.202	75.6	69.1	6.5	65.7	.73	75.0	74.9	„	0.5		+	3		Above 10m.
6 „	.848	.228	73.3	67.9	5.4	65.1	.77	73.2	74.5	„	0.8		+	6	5	Above 10m.
7 „	.863	.226	72.9	68.2	4.7	65.9	.80	72.7	74.3	„	1.0		+	6	5	Above 10m.
8 „	.887	.250	72.0	68.0	4.0	65.9	.82	72.2	74.1	„	0.8		+	6	5	Above 10m.
9 „	.893	.286	70.6	66.6	4.0	64.5	.82	70.8	73.8	„	0.3		+	6	5	Above 10m.
10 „	.900	.274	70.0	67.0	3.0	65.4	.86	70.2	73.7	N b W	0.2		+	10	9	3.30
11 „	.882	.294	68.2	65.2	3.0	63.5	.86	68.6	73.4	„	0.1		+	16	15	1.30
Jan. 21st–Midnight	.871	.296	67.0	64.0	3.0	62.8	.86	67.7	73.0	N b W	0.1		+	7	6	3.0
1 a. m.	.862	.280	66.8	64.5	2.3	63.7	.89	67.5	72.9	„	0.1		+	12	10	2.10
2 „	.856	.290	66.8	64.0	2.8	62.3	.87	67.5	72.7	„	0.1		+	1		Above 10m.
3 „	.846	.305	66.6	63.1	3.5	61.0	.83	67.2	72.5	„	0.1					Not observed.
4 „	.859	.416	64.6	59.0	5.6	51.0	.73	65.2	72.0	N	0.1		+	1		
5 „	.872	.316	64.4	62.8	1.6	61.8	.92	65.2	71.7	„	0.0		+	1		Above 10m.
6 „	.891	.458	63.0	58.0	5.0	54.3	.75	63.4	71.3	„	0.0	None.	+	1		Above 10m.
7 „	.915	.429	63.6	60.2	3.4	57.8	.83	64.2	71.2	„	0.0					
8 „	.935	.476	65.8	60.0	5.8	56.1	.72	66.4	71.2	„	0.0					
9 „	.962	.514	69.4	61.0	8.4	55.3	.63	69.4	71.6	„	0.1		+	1		Above 10m.
10 „	.966	.515	72.9	62.4	10.5	55.5	.57	72.2	72.1	„	0.1					
11 „	.952	.487	74.4	63.4	11.0	56.5	.55	73.8	72.5	NNE	0.2		+	1		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐⌒i cirro-cumuli; ⌒i cumuli; ⌐_i cirro-strati; ⌒_i cumulo-strati; and ⌒⌐_i nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°1 and 80°1. 19th January a cloudless day.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	Mist and fog in hor.	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	H	Mist in hor.	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	Clear.	
0	R	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°1 and 80°1. 20th January a cloudless day.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	Fog and mist in hor.	
0	R	" "	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	H	Mist in hor.	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	Clear.	
0	R	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°1 and 80°2. The Temperature of Deduced Dew-Point at 11 P.M. was lowest during the month; and the Temperature of Evaporation at the same hour was also lowest in the month, and about 11°7 lower than the Normal Mean. 21st January a cloudless day.
0	H	Clear; dew falling.	
0	H	" "	
0	H	" "	
0	H	" "	
0	R	" "	
0	R	Mist and fog in hor.	
0	R	" "	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	Mist in hor.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 21st–Noon.	29.921	29.427	76°2	65°0	11°2	58°4	0.56	75°0	72°8	N	0.3		+	1		Above 10m.
1 p. m.	.881	.369	78.0	66.2	11.8	59.3	.55	76.4	73.4	NNW	0.4		+	2		Above 10m.
2 „	.854	.300	79.5	68.0	11.5	61.7	.57	78.0	74.0	„	0.7		+	2		Above 10m.
3 „	.842	.274	78.8	68.2	10.6	62.5	.59	77.6	74.2	„	0.9		+	1		Above 10m.
4 „	.842	.285	77.8	67.5	10.3	61.9	.60	76.4	74.2	„	1.0		+	2		Above 10m.
5 „	.852	.316	75.0	65.9	9.1	60.7	.63	74.2	74.0	„	0.6	None.	+	3	None.	Above 10m.
6 „	.864	.320	72.2	65.2	7.0	61.2	.70	72.2	73.6	„	0.8		+	2		Above 10m.
7 „	.873	.348	71.1	64.2	6.9	60.1	.70	72.2	73.3	„	0.5		+	2		Above 10m.
8 „	.887	.451	69.4	60.6	8.8	54.5	.61	69.8	73.0	„	0.7		+	3		Above 10m.
9 „	.910	.522	67.0	58.0	9.0	51.1	.59	67.0	72.5	N b E	0.2					
10 „	.901	.541	65.6	56.4	9.2	48.9	.57	66.2	72.1	N	0.2					
11 „	.882	.531	64.0	55.4	8.6	48.2	.59	64.6	71.7	N b E	0.1					
Jan. 22nd–Midnight	.863	.489	63.4	56.0	7.4	50.0	.64	64.4	71.2	N b E	0.0					
1 a. m.	.849	.458	62.8	56.4	6.4	51.3	.68	63.7	71.0	„	0.0		+	1		Above 10m.
2 „	.837	.429	62.8	57.0	5.8	52.6	.71	63.9	70.7	„	0.1		+	2		Above 10m.
3 „	.825	.408	64.4	58.0	6.4	53.4	.69	64.8	70.6	„	0.1		+	2		Above 10m.
4 „	.823	.453	62.6	55.5	7.1	50.4	.65	63.4	70.2	„	0.1		+	2		Above 10m.
5 „	.831	.391	64.3	58.8	5.5	54.8	.73	64.6	70.2	„	0.1		+	4		Above 10m.
6 „	.843	.410	63.3	58.1	5.2	54.3	.74	62.8	70.0	NE b E	0.0		+	3		Above 10m.
7 „	.864	.425	62.9	58.2	4.7	54.7	.77	64.2	69.8	„	0.0		+	2		Above 10m.
8 „	.900	.424	66.9	61.0	5.9	57.2	.72	67.2	70.2	„	0.0		+	1		Above 10m.
9 „	.925	.484	70.0	61.0	9.0	54.9	.61	69.8	70.6	„	0.2		+	2		Above 10m.
10 „	.925	.468	71.8	62.2	9.6	55.9	.59	71.0	71.0	„	0.1		+	3		Above 10m.
11 „	.908	.409	74.0	64.4	9.6	58.6	.60	73.2	71.5	„	0.2	None.	+	2	None.	Above 10m.
Noon.	.877	.440	77.4	63.6	13.8	54.6	.47	76.2	72.2	„	0.2		+	2		Above 10m.
1 p. m.	.842	.325	77.0	66.0	11.0	59.6	.57	75.2	72.4	N	0.1		+	2		Above 10m.
2 „	.812	.262	78.4	67.5	10.9	61.5	.58	76.8	72.8	N b W	0.1		+	2		Above 10m.
3 „	.793	.231	78.8	68.0	10.8	62.1	.58	76.8	73.1	„	0.2		+	3		Above 10m.
4 „	.793	.229	78.6	68.0	10.6	62.2	.59	76.9	73.4	NNW	0.3		+	2		Above 10m.
5 „	.788	.185	76.6	68.5	8.1	64.3	.67	75.2	73.5	„	0.1		+	2		Above 10m.
6 „	.802	.170	74.0	68.8	5.2	65.7	.77	73.2	73.4	„	0.0		+	3		Above 10m.
7 „	.816	.158	72.8	68.9	3.9	66.9	.83	72.6	73.2	„	0.0		+	3		Above 10m.
8 „	.828	.162	72.1	68.9	3.2	67.3	.86	72.1	73.2	„	0.0		+			Above 10m.
9 „	.846	.205	69.2	67.2	2.0	66.1	.91	69.2	72.8	„	0.1					
10 „	.849	.205	68.4	67.0	1.4	66.3	.93	69.0	72.6	„	0.0					
11 „	.848	.187	68.0	67.4	0.6	67.0	.96	68.6	72.3	„	0.0					
Jan. 23rd–Midnight	.841	.175	67.6	67.4	0.2	67.3	.99	68.2	72.2	NNW	0.0					
1 a. m.	.840	.187	67.0	66.8	0.2	66.7	.99	67.8	72.0	„	0.0					
2 „	.838	.182	67.0	66.9	0.1	66.8	1.00	67.7	72.0	„	0.0					
3 „	.835	.187	66.6	66.5	0.1	66.5	.00	67.2	71.9	„	0.0					
4 „	.836	.185	66.6	66.6	0.0	66.6	.00	67.2	71.7	„	0.0					
5 „	.849	.194	67.1	66.9	0.2	66.8	0.99	67.7	71.7	„	0.1					
6 „	.880	.246	66.9	66.2	0.7	65.8	.97	67.2	71.6	„	0.0					
7 „	.900	.275	67.2	66.0	1.2	65.4	.94	67.7	71.6	NE b E	0.1					
8 „	.931	.270	69.8	68.0	1.8	67.1	.92	70.2	71.7	ENE	0.1					
9 „	.953	.257	73.4	70.2	3.2	68.6	.86	73.0	72.4	„	0.2					
10 „	.958	.269	75.2	70.6	4.6	68.3	.80	75.0	72.9	„	0.2					
11 „	.944	.253	76.4	71.0	5.4	68.4	.77	75.7	73.2	„	0.1					
Noon.	.916	.230	76.8	71.0	5.8	68.2	.76	75.7	73.4	„	0.1					
1 p. m.	.886	.173	77.6	72.0	5.6	69.4	.77	76.4	73.7	NNW	0.1	None.	None.	None.	None.	None.
2 „	.863	.140	78.4	72.5	5.9	69.8	.76	77.2	74.0	„	0.1					
3 „	.845	.140	78.4	72.0	6.4	69.0	.74	77.2	74.3	„	0.1					
4 „	.841	.118	78.4	72.5	5.9	69.8	.76	77.0	74.5	„	0.1					
5 „	.830	.117	77.0	71.8	5.2	69.4	.78	75.8	74.5	„	0.1					
6 „	.847	.126	73.6	71.0	2.6	69.7	.89	73.2	74.2	NW b N	0.0					
7 „	.864	.212	71.2	68.2	3.0	66.6	.86	71.4	73.8	„	0.0					
8 „	.881	.216	71.2	68.6	2.6	67.2	.88	71.7	73.6	„	0.0					
9 „	.895	.250	71.8	68.2	3.6	66.3	.84	71.8	73.6	WSW	0.0					
10 „	.903	.253	71.4	68.2	3.2	66.6	.86	71.6	73.5	„	0.0					
11 „	.896	.237	71.2	68.4	2.8	67.0	.87	71.5	73.4	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
0	L	Mist in hor.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	"	
0	R	Clear.	
0	R	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°1 and 80°2. The Reading of Barometer at about 5 P. M. was 29.788in., the lowest during the month; and about 0.093in. lower than the Normal Mean.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	Mist and fog in hor.	
0	R	" "	
0	R	" "	
1	L	≀ scattered along E hor.; mist in hor.	
0	L	A few ≀ in S and SE hor.; *mist* in hor.	
0	L	" " "	
0	L	" " "	
0	H	A few ≀ in S hor.; mist in hor.	
0	H	" " "	
0	H	≀ along E hor.; mist around hor.	
0	H	" "	
0	R	" "	
0	R	" "	
0	R	A few ≀ in S and SE hor.	
0	R	Clear.	
0	L	"	
0	L	Clear; dew falling.	
0	L	" "	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°9 and 80°2. On this day the Range of calculated Dew-Point was 4°4, the smallest during the month.
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	R	" "	
2	R	≀ scattered here and there; mist around hor.	
1	R	" " "	
0	R	A few pieces of ≀≀ in N hem.; ≀ scattered here and there; mist in hor.	
0	L	≀ in SE; a few ≀≀ in W; mist and fog in hor.	
0	L	" " " "	
1	L	≀≀ in hor. from SW to NE; ≀ above E and SE hor.	
1	L	Patches of ≀≀ along W hor.; mist in hor.	
1	H	" " "	
1	H	" " "	
0	H	A few ≀≀ in SW above hor.; mist around hor.	
0	H	Light mist in hor.	
0	L	" "	
0	L	A few light ≀ in E.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 25th-Midnight	29.945	29.230	74°2	71°0	3°2	69°5	0.86	74°2	75°1	SW b S	0.0					
1 a. m.	.921	.200	74.3	71.2	3.1	69.7	.86	74.2	75.1	S	0.0					
2 „	.902	.206	73.4	70.2	3.2	68.8	.86	73.6	75.0	SW b W	0.1					
3 „	.900	.193	73.0	70.4	2.6	69.1	.88	73.2	74.9	„	0.1					
4 „	.895	.198	72.6	70.0	2.6	68.7	.88	73.0	74.7	„	0.1					
5 „	.897	.138	72.1	71.6	0.5	71.3	.98	72.4	74.5	SSW	0.1					
6 „	.909	.136	72.2	72.0	0.2	71.9	.99	72.6	74.5	„	0.1					
7 „	.944	.199	73.3	71.6	1.7	70.7	.92	73.2	74.6	WNW	0.0					
8 „	.970	.235	73.3	71.5	1.8	70.3	.92	73.6	74.6	N b E	0.0					
9 „	.997	.251	74.6	72.0	2.6	70.8	.89	74.8	74.7	NNE	0.3					
10 „	30.008	.266	75.0	72.0	3.0	70.6	.87	75.2	74.9	NE b E	0.2					
11 „	29.994	.242	73.4	71.8	1.6	71.0	.93	73.2	74.8	NNW	1.8	None.			None.	
Noon.	.982	.323	70.0	68.0	2.0	67.0	.91	70.2	74.2	„	1.5					
1 p. m.	.961	.273	70.4	69.0	1.4	68.3	.94	71.4	74.1	„	0.3					
2 „	.936	.266	72.0	69.0	3.0	67.5	.87	73.0	74.1	„	0.3					
3 „	.931	.314	72.6	67.6	5.0	65.0	.78	73.0	74.3	„	0.4					
4 „	.947	.339	71.6	67.0	4.6	64.5	.80	71.9	74.0	„	0.5					
5 „	.951	.330	71.9	67.2	4.7	64.7	.79	72.2	74.0	„	0.1					
6 „	.967	.356	71.4	67.0	4.4	64.7	.80	71.8	73.9	„	0.0		+	2		Above 10m.
7 „	.992	.358	71.3	67.7	3.6	65.8	.84	71.2	73.7	„	0.0		+	1		Above 10m.
8 „	30.015	.391	70.7	67.2	3.5	65.3	.84	70.4	73.6	„	0.0		+	6		Above 10m.
9 „	.023	.425	69.6	67.0	3.6	64.0	.84	69.8	73.5	„	0.3					
10 „	.019	.384	69.2	67.0	2.2	65.8	.90	69.8	73.2	NE b N	0.3					
11 „	.016	.388	69.8	67.0	2.8	65.5	.87	70.5	73.1	„	0.1		+	2		Above 10m.
Jan. 26th-Midnight	29.978	.374	70.2	67.0	3.2	65.3	.85	70.7	73.2	NE b N	0.2		+	1		Above 10m.
1 a. m.	.978	.354	70.2	67.0	3.2	65.3	.85	70.2	73.2	NE	0.1		+	3		Above 10m.
2 „	.977	.368	68.6	66.0	2.6	64.6	.88	69.0	73.0	„	0.0		+	3		Above 10m.
3 „	.960	.392	67.2	64.2	3.0	62.5	.86	67.5	72.7	„	0.1		+	2		Above 10m.
4 „	.961	.368	67.2	65.0	2.2	63.8	.89	67.7	72.5	NE b E	0.1		+	3		Above 10m.
5 „	.964	.390	66.9	64.3	2.6	62.8	.88	67.2	72.2	„	0.1		+	1		Above 10m.
6 „	.976	.411	66.9	64.0	2.9	62.3	.86	67.5	72.2	„	0.0		+	2		Above 10m.
7 „	.998	.449	66.7	63.3	3.4	61.4	.84	67.2	71.7	N b E	0.1		+	2		Above 10m.
8 „	30.038	.468	67.9	64.5	3.4	62.6	.84	68.2	71.9	NNE	0.0		+	4		Above 10m.
9 „	.063	.505	70.4	65.0	5.4	61.9	.76	70.2	72.1	„	0.2		+	10	10	Above 10m.
10 „	.069	.480	72.8	66.8	6.0	63.5	.74	72.2	72.5	NNW	0.2		+	9	9	Above 10m.
11 „	.054	.498	74.6	66.4	8.2	61.8	.66	74.2	72.8	N b W	0.4	None.	+	1		Above 10m.
Noon.	.020	.528	75.2	64.6	10.6	58.2	.57	74.7	73.1	N	0.6		+	1		Above 10m.
1 p. m.	29.983	.462	76.6	66.0	10.6	59.9	.58	75.8	73.4	NNW	0.8		+	2		Above 10m.
2 „	.957	.419	76.2	66.4	9.8	60.8	.61	75.2	73.5	„	1.5		+	1		Above 10m.
3 „	.951	.426	76.8	66.2	10.6	60.1	.58	75.7	73.7	„	1.5		+	1		Above 10m.
4 „	.951	.387	76.2	67.2	9.0	62.2	.64	75.2	73.9	„	1.0		+	1		Above 10m.
5 „	.958	.405	73.7	66.0	7.7	61.6	.68	73.2	73.7	„	0.8		+	2		Above 10m.
6 „	.965	.413	70.9	65.0	5.9	61.6	.74	71.0	73.2	„	0.5		+	1		Above 10m.
7 „	.980	.425	70.6	65.0	5.6	61.8	.75	70.6	73.0	„	1.0		+	2		Above 10m.
8 „	30.011	.438	70.5	65.5	5.0	62.7	.78	70.2	73.0	„	1.6		+	2		Above 10m.
9 „	.019	.445	70.0	65.4	4.6	62.8	.79	69.8	72.8	N b W	0.5		+	2		Above 10m.
10 „	.030	.481	67.8	63.8	4.0	61.4	.81	68.0	72.4	„	0.4		+	1		Above 10m.
11 „	.023	.533	67.0	61.4	5.6	58.0	.74	67.0	72.0	N	0.5		+	1		Above 10m.
Jan. 27th-Midnight	.018	.443	66.0	64.0	2.0	62.8	.90	66.0	71.7	N	0.5		+	2		Above 10m.
1 a. m.	.005	.579	64.6	58.4	6.2	53.9	.70	64.2	71.5	N b E	0.2		+	1		Above 10m.
2 „	29.982	.563	64.2	58.0	6.2	53.4	.70	64.2	71.0	„	0.2		+	1		Above 10m.
3 „	.972	.547	63.4	57.9	5.5	53.8	.73	63.4	70.8	NNE	0.1		+	1		Above 10m.
4 „	.975	.550	62.5	57.5	5.0	53.8	.75	63.0	70.5	„	0.1		+	1		Above 10m.
5 „	.979	.585	61.6	56.0	5.6	51.5	.72	62.2	70.0	„	0.0	None.	+	1	None.	Above 10m.
6 „	.983	.563	60.8	56.6	4.2	53.4	.78	61.2	69.5	„	0.0					
7 „	30.009	.614	62.0	56.2	5.8	51.6	.71	64.3	69.5	N	0.1		+	2		Above 10m.
8 „	.047	.609	65.6	59.2	6.4	54.7	.70	65.7	69.8	NNE	0.1		+	2		Above 10m.
9 „	.069	.680	67.4	58.2	9.2	51.2	.58	67.2	70.0	N b E	0.2					
10 „	.063	.669	70.6	59.6	11.0	51.5	.53	70.2	70.5	NE b N	0.1					
11 „	.045	.619	73.0	61.6	11.4	53.9	.52	72.2	70.9	NEE	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣i cirri; ⌣⌣i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌣⌣i nimbi.	
3	L	Dense masses of ⌣⌣i scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 80°2. On this day the Range of Air Thermometer was 5°8, the smallest in the month; at 5 P. M. the Barometer fell a little instead of rising.
4	H	" " " "	
2	H	⌣⌣i scattered about hor.	
0	H	Clear, except in hor.	
1	H	⌣⌣i scattered about E hor.	
1	R	⌣⌣i about W and E hor.	
4	R	⌣⌣i scattered about, moving NE; mist in hor.	
6	R	" " "	
6	R	" " " [in hor.	
5	L	Light ⌣⌣i in S, SW, and W; ⌣⌣i scattered about, moving NE; mist and fog	
8	L	Overcast with ⌣⌣i, moving NE; drizzling rain commenced at 10h. 32m.	
8	L	Overcast; rain ceased at 11h. 17m. re-commenced at 11h. 28m.	
8	L	Overcast with ⌣⌣i, moving N; rain ceased at 0h. 52m.	
8	H	Overcast with ⌣⌣i, moving NE; drizzling rain at 1h. 24m., which lasted 16m.;	
8	H	Overcast; no rain. [a light drizzle at 1h. 48m., which lasted 7m.	
8	H	⌒i from NE to S hor.; ⌣i around hor.; ⌣⌣i scattered throughout.	
8	H	Clouded as before.	
7	R	⌒i along E; ⌣⌣i scattered throughout.	
7	R	" " "	
7	R	⌒i along E; ⌣⌣i scattered throughout; rain commenced at 7h. 53m.	
6	R	⌣⌣i scattered throughout, moving N; rain ceased at 8h. 1m. [22m.	
8	L	Overcast with ⌣⌣i, moving N; rain commenced at full hour and ceased at 9h.	
8	L	Overcast; no rain.	
8	L	Overcast with ⌣⌣i, moving NE.	
8	L	Overcast with ⌣⌣i, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°5 and 80°1.
7	H	Nearly overcast with ⌣⌣i, moving N.	
2	H	Masses of ⌣⌣i, ⌣⌣i, and ⌣i scattered in W hem.	
2	H	⌣⌣i and ⌣⌣i in N hem.; a few dense ⌣i scattered in E hor.	
4	H	⌒i along E hor.; ⌣⌣i and ⌣⌣i scattered about.	
4	R	" " "	
4	R	" " "	
3	R	Light ⌣⌣i and ⌣⌣i scattered about.	
3	R	Patches of ⌣⌣i scattered about hor.; a few ⌣⌣i floating about.	
0	L	A few patches of clouds along E hor.	
0	L	Clear.	
0	L	"	
0	L	⌒i along E hor.; otherwise clear.	
0	H	⌒i in hor. from NE to SE; mist around hor.	
0	H	" " "	
0	H	" " "	
0	H	⌣i along E hor.; a few ⌣i in SW hor.	
0	R	⌒i and ⌣i about E hor.; a few ⌣i in W and NW above hor.	
0	R	⌣i along E hor.; light ⌣i scattered here and there.	
0	R	Clear, except in hor.	
0	R	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°1 and 80°0. The Temperature of Free Air at 6 A. M. was lowest during the month, and about 7°2 lower than the Normal Mean for that hour.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	R	"	
0	R	Mist and fog in hor.	
0	R	" "	
0	R	" "	
0	L	" "	
0	L	" "	
0	L	" "	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 27th—Noon.	30.011	29.553	75°0	63°4	11°6	56°0	0.54	73°6	71°5	N b W	0.2					
1 p. m.	29.977	·497	76.0	64.5	11.5	57.4	.55	74.7	72.0	NNW	0.4		+	1		Above 10m.
2 „	.939	.443	76.0	65.0	11.0	58.4	.56	74.7	72.2	„	0.8		+	1		Above 10m.
3 „	.918	.397	76.1	65.8	10.3	59.9	.59	74.9	72.5	„	0.6		+	2		Above 10m.
4 „	.914	.382	75.6	66.0	9.6	60.5	.61	74.4	72.5	„	0.8		+	1		Above 10m.
5 „	.918	.361	73.9	66.2	7.7	61.9	.68	73.2	72.7	„	0.8	None.	+	2	None.	Above 10m.
6 „	.925	.377	71.3	65.0	6.3	61·4	.72	71.1	72.4	„	0.6		+	2		Above 10m.
7 „	.945	.390	70.6	65.0	5.6	61.8	.75	70.2	72.2	„	0.4		+	2		Above 10m.
8 „	.963	.405	70.4	65.0	5.4	61.9	.76	70.2	72.1	„	0.3		+	1		Above 10m.
9 „	.969	.390	70.2	65.6	4.6	63.0	.79	70.2	72.1	„	0.3		+	1		Above 10m.
10 „	.975	.374	69.4	66.0	3.4	64.2	.84	69.5	71.9	„	0.3		+	2		Above 10m.
11 „	.973	.400	69.0	65.0	4.0	62.7	.82	69.0	71.8	„	1.0		+	1		Above 10m.
Jan. 28th—Midnight	.972	.397	68.8	65.0	3.8	62.8	.83	68.8	71.7	N b W	0.6		+	3		Above 10m.
1 a. m.	·969	.458	66.4	62.0	4.4	59.3	.79	66.2	71.2	„	0.8		+	1		Above 10m.
2 „	.955	.481	65.8	60.5	5.3	57.0	.75	66.0	71.0	„	0.3		+	1		Above 10m.
3 „	.938	·461	64.2	60.0	4.2	57.2	.79	64.6	70.7	N	0.2		+	1		Above 10m.
4 „	.933	.481	63.5	59.5	4.0	55.6	.80	64.0	70.5	„	0.1		+	1		Above 10m.
5 „	.944	.459	62.1	59.5	2.6	57.7	.87	63.0	70.0	„	0.0		+	1		Above 10m.
6 „	.968	.508	62.3	58.7	3.6	56.1	.82	63.2	69.7	„	0.1					
7 „	.995	.562	63.0	58.0	5.0	54.4	.75	64.2	69.6	„	0.0		+	1		Above 10m.
8 „	30.034	.606	65.4	58.8	6.6	54.0	.68	65.9	69.7	„	0.1					
9 „	.052	.602	69.2	61.0	8.2	55.5	.64	68.8	70.2	NNE	0.2					
10 „	.066	.559	72.2	64.0	8.2	59.0	.65	71·9	70.7	NE b N	0.1					
11 „	.047	.520	75.0	65.6	9.4	60.2	.62	73.7	71.4	NNE	0.1	None.			None.	
Noon.	.007	.445	76.4	67.2	9.2	62.1	.63	75.2	71.9	NNW	0.3					
1 p. m.	29.974	.377	78.0	68.8	9.2	64.0	.64	76.8	72.4	NW b N	0.4		+	2		Above 10m.
2 „	.949	.305	79.0	70.5	8.5	66.3	.67	77.7	72.9	„	0.6		+	1		Above 10m.
3 „	.937	.302	78.3	70.0	8.3	65.8	.67	77.2	73.2	„	1.0		+	1		Above 10m.
4 „	.932	.304	77.7	69.6	8.1	65.5	.68	76.7	73.3	„	1.0		+	1		Above 10m.
5 „	.941	.280	75.9	70.0	5 9	67.1	.75	76.2	73.4	„	0.8		+	1		Above 10m.
6 „	·950	.292	73.1	69.0	4.1	66.9	.82	72.5	73.0	„	0.6		+	1		Above 10m.
7 „	.969	.298	72.2	69.1	3.1	67.5	.86	72.2	72.9	„	1.0					
8 „	.987	.307	71.7	69.2	2.5	67.9	.89	71.8	72.9	„	0.3					
9 „	.999	.320	71.2	69.0	2.2	67.9	.90	71.5	72.7	„	0.4					
10 „	30.000	.296	70.8	69.6	1.2	69.0	.94	71.0	72.7	„	0.4					
11 „	29.991	.376	69.2	66.4	2.8	64.9	.87	69.2	72.5	„	0.2					
Jan. 29th—Midnight	.982	.377	68.4	65.8	2.6	64.4	.88	69.0	72.3	NW b N	0.0					
1 a. m.	.972	.366	68.3	65.8	2.5	64.4	.88	68.4	72.0	„	0.0					
2 „	.959	.354	69.0	66.0	3.0	64.4	.86	69.2	72.0	„	0.2					
3 „	.955	.404	67.6	63.8	3.8	61.5	.82	67.4	71.7	„	0.1					
4 „	.954	.411	65.6	62.8	2.8	61.1	.86	66.2	71.5	„	0.1		+	1		Above 10m.
5 „	.963	.373	66.0	64.5	1.5	63.6	.93	66.8	71.2	„	0.1		+	1		Above 10m.
6 „	.975	.399	67.0	64.4	2.6	62.9	.88	67.3	71.2	„	0.1		+	3		Above 10m.
7 „	30.006	.460	67.0	63.4	3.6	61.3	.83	68.2	71.0	NE b N	0.1		+	1		Above 10m.
8 „	.020	.454	69.6	65.0	4.6	62.3	.79	70.0	71.3	NE	0.1					
9 „	.041	.427	72.9	67.6	5.3	64.8	.77	72.6	71.8	„	0.1					
10 „	.048	.457	75.0	67.6	7.4	63.7	.69	74.2	72.3	„	0.1					
11 „	.027	.403	77.4	69.4	8.0	65.3	.63	76.2	72.8	NE b E	0.1	None.			None.	
Noon.	29.996	.403	82.0	70.0	12.0	63.8	.56	80.5	73.7	NE	0.1					
1 p. m.	.950	.169	81.6	75.0	6.6	72.2	.74	79.8	74.1	N b W	0.1					
2 „	.925	.085	82.6	76.8	5.8	74.5	.77	81.0	74.6	NNW	0.1					
3 „	.920	.075	82.2	76.8	5.4	74.7	.79	80.5	75.0	NW b N	0.1					
4 „	.923	.073	81.4	76.7	4.7	74.8	.81	80.0	75.3	NW	0.4					
5 „	.919	.101	78.3	75.0	3.3	73.6	.86	78.2	75.2	„	0.4					
6 „	.930	.144	75.2	72.8	2.4	72.4	.90	75.0	74.7	„	0.3					
7 „	.943	.210	74.2	71.5	2.7	70.2	.88	74.2	74.6	„	0.1					
8 „	.969	.213	73.7	72.0	1.7	71.2	.92	74.0	74.5	„	0.0					
9 „	.992	.220	73.6	72.4	1.2	71.8	.95	73.9	74.4	„	0.1					
10 „	.995	.235	73.4	72.0	1.4	71.4	.94	73.7	74.3	„	0.2					
11 „	.993	.239	72.6	71.6	1.0	71.1	.95	72.8	74.2	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	L	A few about W hor.; mist around hor.	
1	H	scattered about hor.; mist in hor.	
1	H	A few in E and SW; dense in W and NW.	
1	H	Clouded as before; mist in hor.	
0	H	A few along W hor.; mist in hor.	
0	R	" " "	
0	R	Light scattered in W hem.	
0	R	Light scattered here and there.	
0	R	Clear, except in hor.	
0	L	A few scattered about W hor.	
0	L	Clear, except in hor.	
0	L	" "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 75°8 and 80°0.
0	H	" "	
0	H	" "	
0	H	A few light about W hor.	
0	H	A few light in NE, E, W, and NW hor.	
0	R	Light in NW and N above hor.	
0	R	Light scattered here and there; mist around hor.	
0	R	" " " "	
0	R	Light along E hor.; mist in hor.	
0	L	A few light in W, NW, and NE hor.; mist in hor.	
0	L	" " "	
1	L	Light scattered in N hem.; light mist around hor.	
1	L	" " "	
1	H	scattered about hor.; light mist in hor.	
1	H	" " "	
0	H	A few light in hor. from SW to E; a few streaks to the S of zth.; mist in hor.	
0	H	as before; light mist in hor.	
0	R	" "	
0	R	A few about hor. from SW to E; mist in hor.	
0	R	A few light in N and NE; otherwise clear.	
0	R	A few light along E hor.	
0	L	"	
3	L	Light scattered in NW hem.	
1	L	" "	
0	L	A few light in NW, N, and NE above hor.	Mean daily Temperature of Gound 20 and 60 inches below its surface 75°5 and 79°9. At 4 P. M. the Barometer rose a little instead of falling.
0	R	" " " "	
0	R	" " " "	
0	R	A few light in N and NE hor.	
0	R	A few along W hor.	
0	H	"	
2	H	Light scattered here and there.	
4	H	Light scattered about; mist and fog in hor.	
3	H	" " "	
2	L	Light scattered about hor.; mist and fog in hor.	
1	L	Light scattered about hor.; from NE to SW; light mist in hor.	
1	L	" " " "	
0	L	A few light in SW and W; otherwise clear.	
0	H	A few in S, W, and NW above hor.	
0	H	A few in SE, S, W, and NW above hor.	
0	H	" " "	
0	H	A few along W hor.; light mist in hor.	
0	R	A few in W, NW, and N hor.; mist in hor.	
0	R	along W hor.; a few in NW above hor.	
0	R	Light along W hor.	
0	R	" "	
1	L	Light scattered in N hem.	
0	L	A few light in NW; otherwise clear.	
0	L	Clear.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Reduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Readings of			Interval of Time in recovering the same degree of tension after discharge.
													Sign of Electricity + or −	Straws of Volts 1.	Straws of Volts 2.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 30th–Midnight	29.982	29.239	71°6	71°0	0°6	70°7	0.97	71°8	74°0	NW	0·0					
1 a. m.	.974	.229	70.8	70.8	0.0	70.8	1.00	71.2	73.7	„	0·0					
2 „	.968	.219	71.1	71.0	0.1	71.0	.00	71.5	73.7	„	0.0					
3 „	.958	.238	70.5	70.0	0.5	69.7	0.95	71.0	73.5	„	0.0					
4 „	.952	.234	70.4	69.9	0.5	69.6	.93	70.9	73.5	„	0.0					
5 „	.960	.267	69.9	69.0	0.9	68.6	.96	70.2	73.5	„	0.0					
6 „	.937	.295	70.0	69.0	1.0	68.6	.95	70.3	73.4	„	0·0					
7 „	30.011	.293	69.8	69.4	0.4	69.6	.98	70.2	73.2	NW b N	0·1		+	1		Above 10m.
8 „	.038	.326	72.9	70.5	2.4	69.3	.89	73.0	73.5	„	0.0		+	3		Above 10m.
9 „	.067	.334	75.8	72.0	3.8	70.2	.84	75.6	73.8	NE	0.2		+	5		2.30
10 „	.082	.373	78.0	72.0	6.0	69.2	.76	76.8	74.4	„	0·1		+	1		Above 10m.
11 „	.072	.393	78.8	71.4	7.4	67.9	.70	77.5	74.7	N	0·1					
Noon.	.047	.229	80.4	75.6	4.8	73.6	.81	79.6	75.0	NNW	0·1	None.			None.	
1 p. m.	.011	.140	81.7	77.3	4.4	75.6	.83	80.2	75.5	NW b N	0.1		+	1		Above 10m.
2 „	29.987	.103	83.0	78.0	5.0	76.1	.80	81.4	76.0	„	0·1		+	1		Above 10m.
3 „	.974	.084	83.2	78.2	5.0	76.3	.80	81.5	76.3	„	0·1					
4 „	.979	.091	82.6	78.0	4.6	76.2	.82	81.2	76.5	„	0·1					
5 „	.987	.127	81.5	77.0	4.5	75.2	.82	80.4	76.6	„	0.1					
6 „	.995	.128	78.4	76.3	2.1	75.5	.91	78.0	76.5	„	0.1					
7 „	30.016	.151	76.8	75.8	1.0	75.4	.96	76.8	76.2	„	0.1					
8 „	.038	.162	75.8	75.8	0.0	75.8	1.00	75.8	76.0	„	0.1					
9 „	.053	.235	74.8	74.0	0.8	73.6	0.97	74.3	75.8	„	0.1					
10 „	.055	.317	73.4	71.4	2.0	70.5	.91	74.0	75.6	„	0.1					
11 „	.052	.382	72.0	69.0	3.0	67.5	.87	72.4	75.4	„	0.1					
Feb. 1st–Midnight	.031	.416	73.4	67.8	5.6	64.9	.76	73.7	75.6	NW b N	0.0					
1 a. m.	.013	.445	72.4	66.0	6.4	62.5	.71	72.4	75.4	„	0.0					
2 „	29.993	.404	71.6	66.4	5.2	63.5	.77	71.4	75.0	„	0.0					
3 „	.980	.376	70.6	66.5	4.1	64.3	.82	71.2	74.7	„	0.0					
4 „	.985	.276	71.3	69.9	1.4	69.2	.94	72.1	74.6	„	0.1					
5 „	.994	.390	70.6	66.5	4.1	64.3	.82	71.1	74.5	„	0.0					
6 „	30.003	.370	70.6	67.4	3.2	65.7	.86	71.1	74.5	„	0.0					
7 „	.031	.383	71.0	68.0	3.0	66.5	.86	71.8	74.3	„	0.0					
8 „	.054	.376	74.4	70.0	4.4	67.8	.81	74.2	74.5	NE b E	0.1					
9 „	.078	.392	76.8	71.0	5.8	68.2	.76	76.2	75.1	„	0.1					
10 „	.073	.420	79.8	71.0	8.8	66.7	.66	79.6	75.5	„	0.2					
11 „	.053	.462	81.6	69.8	11.8	63.7	.56	79.8	75.9	„	0.1					
Noon.	.014	.362	83.2	72.0	11.2	66.6	.59	81.8	76.3	N	0.1	None.			None.	
1 p. m.	29.991	.244	84.7	75.0	9.7	70.8	.65	83.0	76.7	„	0.1					
2 „	.967	.198	85.5	75.8	9.7	71.7	.65	83.2	77.2	N b W	0.2					
3 „	.943	.116	85.7	77.3	8.4	74.0	.67	83.8	77.7	NNW	0.2					
4 „	.945	.119	84.6	77.0	7.6	74.0	.72	83.2	77.9	NW b N	0.1					
5 „	.939	.103	83.0	76.8	6.2	74.3	.76	81.9	78.0	„	0.1					
6 „	.944	.170	78.8	74.0	4.8	71.9	.80	78.9	77.5	NNW	0.3					
7 „	.930	.269	77.2	71.8	5.4	69.3	.78	77.4	77.1	„	0.2					
8 „	30.003	.397	74.8	68.0	6.8	64.4	.72	75.0	76.7	„	0.1					
9 „	.012	.410	73.4	67.4	6.0	64.2	.74	74.2	76.5	„	0.0					
10 „	.018	.449	72.8	66.2	6.6	62.5	.72	73.5	76.1	„	0.0		+	2		Above 10m.
11 „	.013	.345	73.4	69.4	4.0	67.4	.83	73.7	76.0	„	0.0					
Feb. 2nd–Midnight	.005	.337	73.4	69.4	4.0	67.4	.83	73.7	75.8	NNW	0.0					
1 a. m.	29.976	.299	72.3	69.3	3.0	67.8	.87	72.3	75.5	„	0.0					
2 „	.953	.223	72.4	71.0	1.4	70.3	.94	72.4	75.4	„	0.0					
3 „	.948	.321	72.9	68.0	4.9	65.4	.79	73.2	75.4	„	0.0					
4 „	.942	.286	70.8	68.2	2.6	66.8	.88	71.3	75.0	„	0.0					
5 „	.938	.272	70.3	68.3	2.0	67.3	.91	71.2	74.8	„	0.1					
6 „	.954	.291	69.6	68.0	1.6	67.2	.93	70.8	74.5	„	0.0	None.	None.	None.	None.	None.
7 „	.979	.382	70.6	66.3	4.3	64.0	.81	71.2	74.5	„	0.1					
8 „	30.000	.351	73.9	69.0	4.9	66.5	.79	74.2	74.6	„	0.1					
9 „	.025	.327	77.0	71.4	5.6	68.7	.77	76.5	75.3	„	0.0					
10 „	.021	.302	79.8	72.8	7.0	69.7	.72	79.4	75.7	N b W	0.1					
11 „	.004	.300	82.5	73.2	9.3	69.0	.65	82.0	76.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to *denote* the clouds are: ⌇ cirri; ≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≀ nimbi.	
0	L	A few ⌇ in E above hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 75°5 and 79°9.
0	R	A few light ⌇ in E, SE, and S hor.	
0	R	" "	
0	R	" "	
4	R	Light ⌇ scattered about.	
3	H	Light ⌇ scattered about; dew falling.	
3	H	" " "	
4	H	Light ⌇ scattered about; mist and fog in hor.	
1	H	Light ⌇ scattered in E hem., and a few above W hor.; mist and fog in hor.	
0	L	A few ⌇ along E hor.; mist in hor.	
0	L	" " "	
1	L	Light ⌇ scattered about E, SE, NW, and N hor.	
2	L	Light ⌇ scattered about hor., except in NE.	
6	H	Light ⌇ scattered throughout.	
6	H	" "	
2	H	Light ⌇ scattered around hor.	
6	H	Light ⌇ scattered throughout.	
4	H	Light ⌇ scattered about.	
3	H	" "	
2	H	⌇ scattered about hor.	
6	H	⌇ scattered about.	
5	H	"	
3	H	"	
3	H	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 75°8 and 80°0. The Reading of Barometer at 9 A. M. was greatest in the month, and 0085′ higher than the Normal Mean.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Mist and fog in hor.	1st February was the first cloudless day during this month.
0	H	" "	
0	L	" "	
0	L	" "	
0	L	Light mist in hor.	
0	L	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Clear.	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°1 and 80°0. The Temperature of Evaporation and that of Deduced Dew-Point at 3 P. M. were respectively greatest during the month.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Mist and fog in hor.	2nd February a cloudless day.
0	H	" "	
0	L	" "	
0	L	" "	
0	L	Light mist in hor.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By New man's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 2nd–Noon.	29.976	29.230	85°6	75°2	10°4	71°8	0.62	83°4	77°1	N b W	0.1					
1 p. m.	.944	.125	86.0	77.2	8.8	73.7	.68	84.2	77.4	NNW	0.1					
2 „	.922	.060	86.4	78.3	8.1	75.3	.70	84.2	77·7	„	0.1					
3 „	.907	28.999	85.9	78.8	5.1	76.9	.81	84.2	78.1	„	0.1					
4 „	.909	29.010	84.7	78.8	5.9	76.6	.78	83.3	78.2	NW b N	0.1	None.			None.	
5 „	.916	.030	83.6	78.2	5.4	76.1	.79	82.4	78.5	„	0.2					
6 „	.936	.076	79.4	76.4	3.6	75.2	.88	79.2	78.0	NNW	0.2					
7 „	.962	.160	77.7	74.4	3.3	73.0	.86	77.5	77.8	„	0.1					
8 „	.984	.188	76.8	74.0	2.8	72.8	.88	77.0	77.5	„	0.2					
9 „	30.002	.248	76.0	72.6	3.4	71.1	.85	76.7	77.2	„	0.0					
10 „	.020	.331	74.0	70.2	3.8	68.3	.83	74.7	76.9	„	0.0					
11 „	.017	.293	73.4	71.0	2.4	69.9	.89	73.9	76.9	„	0.0		+	1		Above 10m.
Feb. 3rd–Midnight	.009	.256	74.0	72.0	2.0	71.1	.91	74.6	76.5	NNW	0.0					
1 a. m.	.004	.238	72.8	72.0	0.8	71.6	.96	71.8	76.4	„	0.0					
2 „	29.997	.191	73.6	73.3	0.3	73.2	.99	74.0	76.2	„	0.0					
3 „	.988	.161	74.0	74.0	0.0	74.0	1.00	74.2	76.2	„	0.0		+	1		Above 10m.
4 „	.983	.242	72.8	71.3	1.5	70.6	0.93	73.2	76.1	„	0.0		+	1		Above 10m.
5 „	.988	.271	71.8	70.3	1.5	69.6	.93	72.8	75.7	„	0.1					
6 „	30.009	.305	72.0	70.0	2.0	69.0	.91	72.8	75.5	NE b E	0.1					
7 „	.038	.368	71.4	68.8	2.6	67.5	.88	72.6	75.4	„	0.1					
8 „	.056	.373	74.8	70.3	4.5	68.1	.81	75.0	75.7	„	0.1					
9 „	.073	.428	77.4	70.0	7.4	66.3	.70	77.0	76.1	„	0.1					
10 „	.064	.319	79.8	73.5	6.3	70.7	.75	79.0	76.5	ENE	0.2					
11 „	.040	.337	80.6	72.6	8.0	69.0	.69	80.2	76.7	„	0.0	None.				
Noon.	.015	.247	86.4	76.0	10.4	71.7	.63	84.8	77.6	„	0.0		+	Out of Sc.	32	0.12
1 p. m.	29.973	.092	84.0	78.2	5.8	76.0	.78	82.4	77.7	NW b N	0.0		+	15	15	0.30
2 „	.940	.075	84.7	78.0	6.7	75.4	.75	82.9	78.0	„	0.3		+	8	7	1.15
3 „	.944	.067	84.4	78.2	6.2	75.8	.76	82.6	78.2	„	0.2		+	5	5	
4 „	.946	.096	83.9	77.4	6.5	74.8	.75	82.4	78.5	NNW	0.2		+	4		2·00
5 „	.948	.136	82.4	76.0	6.4	73.4	.75	81.4	78.5	„	0.2		+	1		Above 10m.
6 „	.954	.133	79.4	75.4	4.0	73.8	.84	79.2	78.1	„	0.2		+	1		Above 10m.
7 „	.968	.152	77.8	74.8	3.0	73.6	.87	78.0	78.0	„	0.1		+	1		Above 10m.
8 „	.980	.188	77.2	74.0	3.2	72.7	.87	77.3	77.7	„	0.1		+	3		Above 10m.
9 „	.990	.192	76.6	74.0	2.6	72.9	.89	76.8	77.5	„	0.1		+	4		1.30
10 „	.991	.207	75.6	73.3	2.3	72.3	.90	76.0	77.4	„	0.1					
11 „	.984	.198	74.4	73.0	1.4	72.4	.94	74.9	77.1	„	0.1					
Feb. 4th–Midnight	.993	.177	75.0	74.0	1.0	73.6	.96	75.2	77.0	NNW	0.4					
1. a. m.	.985	.235	75.2	72.3	2.9	71.0	.87	75.6	77.0	„	1.0					
2 „	.967	.213	74.8	72.3	2.5	71.1	.89	75.2	76.9	N b W	0.4		+	1		Above 10m.
3 „	.949	.225	74.4	71.3	3.1	69.9	.86	74.4	76.6	„	0·5					
4 „	.948	.211	73.5	71.4	2.1	70.4	.91	74.2	76.5	„	0.4					
5 „	.956	.298	71.6	68.5	3.1	66.9	.86	72.0	76.0	N	0.1					
6 „	.980	.334	70.6	67.8	2.8	66.4	.87	71.4	75.7	„	0.1					
7 „	30.009	.346	69.6	68.0	1.6	67.2	.93	70.9	75.3	N b E	0.1					
8 „	.025	.316	73.4	70.6	2.8	69.2	.88	74.0	75.5	„	0.1		+	13		1.05
9 „	.039	.406	76.6	69.4	7.2	65.7	.71	76.4	75.9	„	0.1					
10 „	.031	.286	79.4	73.4	6.0	70.7	.76	78.8	76.4	„	0.1					
11 „	.013	.232	79.6	74.4	5.2	72.2	.79	78.8	76.7	N	0.4					
Noon.	29.981	.144	80.8	76.2	4.6	74.4	.82	80.2	77.0	NNW	0.5	None.			None.	
1 p. m.	.948	.138	80.8	75.5	5.3	73.3	.79	80.2	77.2	„	0.5					
2 „	.919	.168	81.6	74.2	7.4	71.0	.71	80.4	77.5	„	0.4					
3 „	.893	.119	81.6	74.8	6.8	71.9	.74	80.2	77.6	„	0.8					
4 „	.895	.104	80.7	75.0	5.7	72.6	.77	80.1	77.6	„	0.2					
5 „	.889	.117	79.0	74.0	5.0	71.8	.80	78.6	77.5	„	0.3		+	1		Above 10m.
6 „	.900	.155	76.1	72.4	3.7	70.7	.84	76.2	77.1	„	0.4		+	1		Above 10m.
7 „	.920	.191	75.2	71.7	3.5	70.1	.85	75.3	77.0	„	0.6		+	2		Above 10m.
8 „	.927	.200	74.8	71.5	3.3	70.0	.86	75.0	76.8	„	0.2		+	2		Above 10m.
9 „	.948	.209	74.6	71.8	2.8	70.5	.88	74.8	76.6	„	0.1		+	1		Above 10m.
10 „	.952	.208	74.2	71.8	2.4	70.7	.89	74.5	76.5	„	0.3		+	1		Above 10m.
11 „	.948	.213	73.0	71.2	1.8	70.3	.92	73.2	76.4	„	0.1		+	5		1.00

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒⌒ cumulo-strati; and ≤≤≤ nimbi.	
0	L	Light mist in hor.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Clear.	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°2 and 80°0.
0	R	"	3rd February a cloudless day.
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Fog and mist in hor.	
0	H	" "	
0	L	" "	
0	L	" "	
0	L	Light mist in hor.	
0	L	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Clear.	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°4 and 80°0.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Mist and fog in hor.	
0	H	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	A few ≤ in W; mist around hor.	
0	R	A few ≤ about N and NE hor.; light mist in hor.	
0	R	A few ≤ along W hor.; mist around hor.	
0	R	" " "	
0	R	A few ≤ in hor. from SE to SW; mist in hor.	
0	H	Light mist in hor.	
0	H	"	
0	H	Clear.	
0	H	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 5th—Midnight	29.933	29.190	71°6	71°0	0°6	70°7	0.97	72°0	75°9	NNW	0.1					
1 a. m.	.909	.182	70.6	70.2	0.4	70.0	.98	70.3	75.5	„	0.0					
2 „	.876	.139	70.8	70.8	0.0	70.8	1.00	71.0	75.5	„	0.0					
3 „	.864	.135	70.7	70.3	0.4	70.1	0.98	71.0	75.3	„	0.2					
4 „	.859	.134	70.7	70.2	0.5	69.9	.98	70.8	75.2	N	0.0		+	1		Above 10m.
5 „	.874	.134	70.6	70.6	0.0	70.6	1.00	70.9	75.0	„	0.1		+	1		Above 10m.
6 „	.884	.167	70.2	69.8	0.4	69.6	0.98	70.6	74.7	„	0.1		+	1		Above 10m.
7 „	.909	.202	69.6	69.3	0.3	69.1	.99	70.2	74.5	„	0.1		+	2		Above 10m.
8 „	.922	.232	71.4	69.4	2.0	68.4	.91	72.0	74.7	„	0.1					
9 „	.950	.223	74.8	71.5	3.3	70.0	.86	74.8	75.2	„	0.2					
10 „	.949	.263	76.8	71.0	5.8	68.2	.76	76.4	75.5	NNW	0.4					
11 „	.936	.268	77.8	70.8	7.0	67.4	.72	77.2	75.8	„	0.3					
Noon.	.905	.215	78.4	71.6	6.8	68.4	.73	77.5	76.0	„	0.5	None.			None.	
1 p. m.	.868	.136	78.6	72.8	5.8	70.2	.77	77.4	76.2	„	0.8					
2 „	.846	.122	78.3	72.5	5.8	69.9	.76	77.1	76.2	NW b N	0.4		+	1		Above 10m.
3 „	.837	.120	77.9	72.2	5.7	69.6	.77	77.0	76.2	NNW	0.4					
4 „	.838	.126	77.7	72.0	5.7	69.3	.77	76.4	76.3	„	0.4		+	1		Above 10m.
5 „	.842	.156	75.2	70.5	4.7	68.2	.80	74.9	76.1	„	0.4					
6 „	.850	.182	72.2	69.0	3.2	67.4	.86	72.3	75.6	„	0.3					
7 „	.865	.188	71.4	69.0	2.4	67.8	.89	72.0	75.3	„	0.3					
8 „	.879	.212	70.8	68.5	2.3	67.3	.90	71.3	75.1	„	0.2					
9 „	.886	.207	70.0	68.4	1.6	67.6	.93	70.8	74.8	„	0.1					
10 „	.891	.212	70.0	68.4	1.6	67.6	.93	70.7	74.7	„	0.0					
11 „	.891	.210	70.4	68.8	1.6	68.0	.93	71.0	74.6	„	0.1					
Feb. 6th—Midnight	.889	.233	70.8	68.2	2.6	66.8	.88	71.2	74.5	NNW	0.2					
1 a. m.	.885	.270	70.4	66.8	3.6	64.9	.84	70.6	74.3	„	0.4					
2 „	.875	.250	70.1	67.0	3.1	65.4	.86	70.5	74.1	„	0.1					
3 „	.862	.227	68.9	66.9	2.0	65.8	.91	69.2	74.0	„	0.0					
4 „	.857	.194	69.1	67.8	1.3	67.2	.94	70.0	74.0	„	0.0					
5 „	.861	.224	68.4	66.8	1.6	65.9	.92	69.0	73.7	„	0.0					
6 „	.889	.265	68.4	66.4	2.0	65.3	.91	68.8	73.5	„	0.0					
7 „	.924	.274	68.4	67.2	1.2	66.6	.94	69.0	73.2	E	0.1					
8 „	.950	.269	71.0	69.0	2.0	68.0	.91	71.1	73.5	„	0.1					
9 „	.981	.315	72.4	69.0	3.4	67.3	.85	72.6	73.8	„	0.1		+	11		Above 10m.
10 „	.985	.314	75.0	70.0	5.0	67.5	.79	74.9	74.2	ENE	0.2		+	1		Above 10m.
11 „	.965	.328	76.2	69.4	6.8	65.9	.72	75.4	74.5	E b N	0.3	None.			None.	
Noon.	.948	.306	75.8	69.4	6.4	66.2	.73	75.2	74.6	„	0.2					
1 p. m.	.920	.282	78.0	70.0	8.0	66.0	.68	76.2	75.0	NNW	0.1		+	1		Above 10m.
2 „	.908	.239	78.4	71.0	7.4	67.4	.66	77.2	75.2	„	0.1		+	1		Above 10m.
3 „	.892	.206	78.2	71.3	6.9	68.2	.72	76.9	75.2	„	0.2		+	1		Above 10m.
4 „	.897	.254	77.5	70.0	7.5	66.2	.70	76.2	75.4	NW b N	0.1		+	1		Above 10m.
5 „	.902	.267	76.1	69.3	6.8	65.8	.72	76.0	75.3	„	0.1		+	1		Above 10m.
6 „	.916	.293	73.0	67.9	5.1	65.3	.78	72.8	75.0	„	0.2		+	1		Above 10m.
7 „	.958	.384	71.8	66.0	5.8	62.8	.75	72.2	74.5	„	0.3		+	1		Above 10m.
8 „	.968	.389	71.4	66.0	5.4	63.0	.76	72.0	74.4	„	0.3		+	2		Above 10m.
9 „	.987	.447	70.9	64.6	6.3	60.9	.72	71.2	74.3	„	0.1		+	1		Above 10m.
10 „	.989	.453	69.5	64.0	5.5	60.7	.75	70.2	74.0	„	0.2		+	4		Above 10m.
11 „	.980	.453	67.6	63.0	4.6	60.2	.79	68.2	73.5	„	0.1		+	2		Above 10m.
Feb. 8th—Midnight	30.016	.542	67.0	61.0	6.0	57.0	.72	67.0	72.2	N	0.1		+	1		Above 10m.
1 a. m.	.007	.601	65.8	58.2	7.6	52.4	.64	66.2	72.0	„	0.1		+	1		Above 10m.
2 „	29.982	.573	65.1	58.0	7·1	52.7	.66	65.9	71.6	„	0.1		+	1		Above 10m.
3 „	.979	.570	64.6	57.8	6.8	52.7	.67	64.5	71.4	„	0.1					
4 „	.975	.589	64.0	56.7	7.3	51.0	.65	64.2	71.0	„	0.1					
5 „	.977	.593	63.2	56.3	6.9	50.8	.66	63.5	70.8	„	0.1	None.			None.	
6 „	.984	.524	62.6	58.8	3.8	56.1	.81	63.4	70.5	„	0.1					
7 „	30.015	.538	65.8	60.6	5.2	57.2	.75	66.0	70.7	NNE	0.1		+	1		Above 10m.
8 „	.035	.557	68.2	61.6	6.6	57.3	.70	67.8	70.9	NE b N	0.1		+	1		Above 10m.
9 „	.046	.568	71.0	62.6	8.4	57.3	.64	70.4	71.4	NE	0.2					
10 „	.042	.556	73.0	63.6	9.4	57.8	.61	72.0	71.6	„	0.1		+	1		Above 10m.
11 „	.037	.537	76.8	65.4	11.4	58.6	.55	75.8	72.4	„	0.1		+	1		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀⌣ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°6 and 80°0. On this day the Range of the Temperature of External and Free Air was 9°0, the smallest in the month.
0	R	Clear; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
0	H	" "	
0	H	Mist and fog in hor.	
0	H	" "	
0	H	" "	
0	L	" "	
0	L	" "	
0	L	Light mist around hor.	
0	L	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	R	⌣≀ along W hor.; a few patches of ≀≀ in N above hor., moving W.	
0	H	" " " "	
0	H	⌣≀ along W hor.; a few patches of clouds in NE and W, moving S.	
0	H	Clear, except in hor.	
0	H	" "	
0	L	" "	
0	L	" "	
2	L	Patches of ≀≀ scattered here and there, moving E.	
2	L	Patches of ≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°8 and 79°9.
3	R	" " " "	
3	R	Patches of ≀≀ scattered about, moving SE.	
3	R	Patches of ≀≀ scattered about, moving E.	
4	R	" " "	
4	H	" " "	
4	H	⌣≀ along E hor.; ≀≀ scattered about, moving E.	
4	H	" " "	
4	H	≀≀ scattered about.	
2	L	≀≀ scattered in E, SE, and around hor.	
1	L	≀≀ scattered around hor.	
1	L	≀≀ around hor., moving SE.	
1	L	≀≀ scattered around hor. and in SE.	
2	R	≀≀ scattered here and there.	
2	R	≀≀ scattered about hor.	
2	R	≀≀ around hor., except in S and SW, moving E.	
1	R	Patches of ≀≀ scattered in W hem., moving S.	
0	R	A few patches of ≀≀ around hor.	
0	R	Clear, except in hor.	
0	R	" "	
0	R	" "	
0	R	Clear.	
0	R	"	
0	R	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 79°9. The Temperature of Evaporation at 5 A. M. was 56°3, the least in the month; and about 9°3 lower than the Normal Mean; at 6 A. M. the Temperature of External and Free Air was lowest, and 6°1 lower than the Normal Mean for that hour. 8th February the 4th cloudless day.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	"	
0	H	Mist and fog in hor.	
0	H	" "	
0	L	" "	
0	L	" "	
0	L	Light mist in hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 8th–Noon.	30.012	29.476	77°6	66°8	10°8	60°7	0.53	76°4	72°8	N	0.2		+	1		Above 10m.
1 p.m.	29.979	.388	79.2	69.0	10.2	63.7	.61	78.0	73.2	„	0.1		+	1		Above 10m.
2 „	.943	.369	80.2	68.8	11.4	62.8	.57	78.2	73.7	N b W	0.1					
3 „	.932	.357	81.2	69.2	12.0	62.8	.55	78.7	74.0	„	0.1					
4 „	.932	.310	81.0	70.5	10.5	65.2	.60	78.9	74.5	NNW	0.1		+	1		Above 10m.
5 „	.934	.244	79.7	72.0	7.7	68.4	.70	78.5	74.8	„	0.3	None.	+	1	None.	Above 10m.
6 „	.940	.309	76.2	69.2	7.0	65.6	.71	75.6	74.5	NW b N	0.5		+	1		Above 10m.
7 „	.950	.284	74.8	69.8	5.0	67.3	.79	74.6	74.5	„	0.5		+	1		Above 10m.
8 „	.972	.322	73.8	69.0	4.8	66.6	.79	74.0	74.4	N b W	0.2		+	1		Above 10m.
9 „	.980	.427	73.2	65.8	7.4	61.6	.69	73.4	74.2	„	0.2					
10 „	.985	.409	73.4	66.6	6.8	62.9	.71	73.5	74.1	„	0.2		+	1		Above 10m.
11 „	.972	.364	71.6	67.0	4.6	64.5	.80	71.4	73.8	„	0.1					
Feb. 9th–Midnight	.951	.368	71.0	66.0	5.0	63.2	.78	71.2	73.5	N b W	0.1					
1 a.m.	.939	.412	69.0	63.5	5.5	60.2	.75	69.2	73.4	„	0.1					
2 „	.923	.370	69.4	64.5	4.9	61.6	.78	69.5	73.2	„	0.0					
3 „	.922	.368	67.9	64.0	3.9	61.7	.82	68.2	73.0	„	0.1					
4 „	.919	.433	66.6	61.2	5.4	57.8	.79	67.2	72.5	„	0.1		+	1		Above 10m.
5 „	.919	.490	65.8	59.0	6.8	54.1	.68	66.4	72.0	„	0.1		+	1		Above 10m.
6 „	.926	.454	64.6	60.0	4.6	56.9	.78	65.6	71.6	„	0.1		+	3		Above 10m.
7 „	.952	.446	66.8	62.0	4.8	59.0	.77	67.7	71.7	E	0.1		+	2		Above 10m.
8 „	.970	.406	69.8	65.0	4.8	62.2	.78	70.0	71.9	„	0.1		+	5	5	
9 „	.998	.498	72.8	64.0	8.8	58.6	.63	72.5	72.5	N b W	0.1					
10 „	.997	.469	76.0	66.0	10.0	60.3	.60	74.9	73.0	„	0.0		+	2		Above 10m.
11 „	.988	.421	78.4	68.0	10.4	62.4	.60	77.4	73.6	„	0.0	None.	+	2		Above 10m.
Noon.	.958	.345	81.5	70.4	11.1	64.8	.59	79.7	74.2	N	0.2		+	1		Above 10m.
1 p.m.	.930	.306	79.9	70.2	9.7	65.3	.63	78.5	74.3	NNW	0.4		+	1		
2 „	.899	.205	81.0	72.5	8.5	68.6	.61	80.2	74.8	„	0.3					
3 „	.885	.211	81.2	72.0	9.2	67.6	.65	80.2	75.1	„	0.4					
4 „	.883	.175	80.8	72.8	8.0	69.2	.69	79.4	75.4	„	0.2					
5 „	.891	.209	79.1	71.6	7.5	68.0	.70	78.2	75.5	„	0.3		+	1		Above 10m.
6 „	.899	.248	75.6	69.6	6.0	66.6	.75	75.5	75.1	„	0.3		+	1		Above 10m.
7 „	.914	.305	74.5	68.0	6.5	64.6	.73	74.4	74.9	„	0.3		+	1		Above 10m.
8 „	.939	.328	74.4	68.0	6.4	64.7	.73	74.2	74.8	„	0.2		+	1		
9 „	.953	.316	74.4	68.8	5.6	65.9	.76	74.4	74.8	„	0.2					
10 „	.954	.337	73.8	68.0	5.8	65.0	.75	74.0	74.7	„	0.4		+	1		Above 10m.
11 „	.950	.349	72.8	67.2	5.6	64.2	.76	73.0	74.5	N	0.1		+	2		Above 10m.
Feb. 10th–Midnight	.938	.414	71.8	64.4	7.4	60.0	.68	71.8	74.2	N	0.1		+	2		Above 10m.
1 a.m.	.923	.409	70.2	63.5	6.7	59.4	.70	70.2	74.0	„	0.1		+	1		Above 10m.
2 „	.921	.382	69.8	64.2	5.6	60.9	.75	70.1	73.5	„	0.0		+	3		Above 10m.
3 „	.913	.383	67.4	63.0	4.4	60.4	.79	68.2	73.2	„	0.0		+	2		Above 10m.
4 „	.916	.358	68.1	64.2	3.9	61.9	.82	68.3	73.0	„	0.1		+	2		Above 10m.
5 „	.922	.392	67.4	63.0	4.4	60.4	.79	67.4	72.8	„	0.1		+	1		Above 10m.
6 „	.942	.354	67.6	65.0	2.6	63.5	.88	67.9	72.5	„	0.1		+	1		Above 10m.
7 „	.968	.416	67.5	63.8	3.7	62.1	.83	67.8	72.4	„	0.1		+	2		Above 10m.
8 „	.991	.572	69.4	60.0	9.4	53.4	.59	69.9	72.4	„	0.1		+	1		
9 „	30.008	.600	73.8	61.3	12.5	52.6	.50	73.2	72.8	„	0.1					
11 „	.013	.544	77.0	64.5	12.5	56.7	.52	76.4	73.4	„	0.2		+	1		Above 10m.
10 „	.003	.447	79.4	68.0	11.4	61.8	.57	78.7	74.0	„	0.1		+	1		Above 10m.
Noon.	29.975	.342	81.0	70.8	10.2	65.7	.61	79.4	74.6	„	0.2	None.	+	1		Above 10m.
1 p.m.	.945	.278	81.2	71.8	9.4	67.3	.64	80.2	75.0	NNW	0.1		+	1		
2 „	.919	.240	81.1	72.0	9.1	67.9	.65	80.2	75.2	„	0.2					Above 10m.
3 „	.905	.229	81.0	72.0	9.0	67.8	.66	80.2	75.5	„	0.8		+	1		Above 10m.
4 „	.905	.212	80.8	72.4	8.4	68.5	.68	80.1	75.7	„	0.8		+	2		Above 10m.
5 „	.903	.231	79.4	71.4	8.0	67.6	.68	78.8	75.8	„	0.4		+	2		Above 10m.
6 „	.909	.310	76.7	68.4	8.3	64.1	.67	76.3	75.5	„	0.5		+	2		Above 10m.
7 „	.927	.270	75.6	69.8	5.8	66.9	.76	75.4	75.4	„	0.5		+	3		Above 10m.
8 „	.946	.273	74.8	70.0	4.8	67.6	.79	74.5	75.2	„	0.5		+	2		Above 10m.
9 „	.954	.295	74.2	69.4	4.8	67.0	.79	74.4	75.1	„	0.1		+	2		Above 10m.
10 „	.960	.327	72.4	68.0	4.4	65.7	.81	72.0	74.9	„	0.1		+	11	10	2.30
11 „	.958	.285	71.2	68.8	2.4	67.6	.89	72.0	74.5	„	0.1		+	11	10	2.30

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀∩ nimbi.	
0	L	Clear.	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°5 and 79°8.
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	H	,,	
0	H	,,	
0	H	Mist and fog around hor.	
0	H	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	L	Light mist in hor.	
0	L	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	H	,,	
0	H	,,	
0	H	Clear.	
0	H	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°4 and 79°7.
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	H	,,	
0	H	,,	
0	H	Fog and mist in hor.	
0	H	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	L	Light mist in hor.	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	H	,,	
0	H	,,	
0	H	Clear.	
0	H	,,	
0	L	,,	
0	L	,,	
0	L	,,	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawe of Volta 1.	Readings of Strawe of Volta 2.	Interval of Time in reaching the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 11th–Midnight	29.954	29.226	73°0	71°0	2°0	70°0	0.91	73°2	74°6	NNW	0.3					
1 a. m.	.941	.246	72·8	70.0	2.8	68.6	.88	72.6	74.5	,,	0.5					
2 ,,	.925	.221	72·0	70.0	2.0	69.0	.91	72.2	74.5	,,	0.3					
3 ,,	.925	.213	71.3	70.0	1.3	69.3	.94	71.6	74.3	,,	0.1					
4 ,,	.928	.215	70.2	69.7	0.5	69.4	.98	70.2	74.0	,,	0.1					
5 ,,	.943	.265	69.5	68.4	1.1	67.8	.95	69.4	73.7	,,	0.1					
6 ,,	.960	.373	67.4	64.9	2.5	63.4	.88	67.7	73.5	,,	0.1					
7 ,,	.982	.422	67.4	64.0	3.4	62.0	.84	68.0	73.0	,,	0.1					
8 ,,	30.006	.471	70.8	64.4	6.4	60.6	.72	71.2	73.2	,,	0.1					
9 ,,	.024	.427	73.6	67.3	6.3	64.0	.73	74.0	73.8	,,	0.1					
10 ,,	.034	.463	77.4	67.8	9.6	62.6	.62	76.5	74.3	,,	0.2					
11 ,,	.013	.353	79.2	71.0	8.2	67.0	.68	78.4	74.7	,,	0·2					
Noon.	29.983	.279	79.8	72.4	7.4	69.0	.71	78.8	75.0	,,	0.4					
1 p. m.	.955	.267	79.9	72.0	7.9	68.3	.69	78.6	75.3	,,	0.6	None.	None.	None.	None.	None.
2 ,,	.926	.204	80.2	73.0	7.2	69.8	.72	79.2	75.5	,,	1.0					
3 ,,	.921	.198	80.1	73.0	7.1	69.8	.72	79.2	75.7	,,	1.0					
4 ,,	.914	.156	79.9	73.9	6.0	71.3	.76	78.9	75.9	,,	0.8					
5 ,,	.924	.201	78.4	72.5	5.9	69.8	.76	77.9	76.0	,,	0.6					
6 ,,	.928	.240	75.0	70.5	4.5	68.3	.81	74.9	75.5	,,	0.5					
7 ,,	.955	.290	74.0	69.5	4.5	67.2	.81	74.2	75.3	,,	0.5					
8 ,,	.969	.312	73.8	69.2	4.6	66.9	.80	74.0	75.3	,,	0.5					
9 ,,	.982	.330	73.6	69.0	4.6	66.6	.80	73.8	75.1	N b W	0.1					
10 ,,	.977	.318	73.0	69.0	4.0	67.0	.82	73.2	75.0	,,	0.2					
11 ,,	.971	.291	73.0	69.6	3.4	67.9	.85	73.2	74.9	,,	0.2					
Feb. 12th–Midnight	.965	.268	72·0	69.8	2.2	68.7	.90	71.8	74.6	N b W	0.1					
1 a. m.	.958	.294	69.8	68.1	1.7	67.2	.92	70.2	74.5	,,	0.1					
2 ,,	.946	.278	69.2	68.0	1.2	67.4	.94	69.5	74.0	,,	0.1					
3 ,,	.943	.304	68.5	66.9	1.6	66.0	.93	68.2	73.6	,,	0.2					
4 ,,	.947	.289	68.6	67.5	1.1	66.9	.95	68.4	73.5	,,	0.1					
5 ,,	.950	.334	68.0	66.0	2.0	64.9	.91	68.1	73.2	,,	0.1					
6 ,,	.969	.357	68.4	66.0	2.4	64.7	.89	68.3	73.2	E	0.1					
7 ,,	30.000	.401	68.4	65.6	2.8	64.1	.87	69.2	73.0	,,	0.1					
8 ,,	.020	.437	71.0	66.0	5.0	63.2	.78	71.3	73.1	,,	0.1					
9 ,,	.042	.421	74.0	68.2	5.8	65.2	.75	73.5	73.6	NNE	0.1					
10 ,,	.043	.441	75.2	68.0	7.2	64.2	.70	74.6	73.9	NE	0.1					
11 ,,	.025	.419	76.6	68.6	8.0	64.4	.68	75.0	74.2	,,	0.1					
Noon.	29.996	.311	78.2	71.4	6.8	68.1	.73	77.0	74.5	NNE	0.3	None.			None.	
1 p. m.	.958	.262	79.2	72.0	7.2	68.6	.71	78.2	74.8	NNW	0.2					
2 ,,	.933	.225	79.8	72.5	7.3	69.2	.71	78.6	75.1	NW b W	0.4					
3 ,,	.918	.226	79.9	72.1	7.8	68.5	.69	78.2	75.3	,,	0.8					
4 ,,	.922	.274	78.9	70.8	8.1	66.5	.68	78.2	75.4	NNW	0.8					
5 ,,	.938	.360	78.3	68.3	10.0	63.0	.61	77.7	75.5	,,	0.6		+	1		Above 10m.
6 ,,	.943	.363	75.4	67.4	8.0	63.1	.67	75.2	75.2	,,	0.3		+	2		Above 10m.
7 ,,	.960	.364	74.2	67.5	6.7	63.9	.72	74.2	75.0	,,	0.3		+	2		Above 10m.
8 ,,	.972	.361	73.8	67.8	6.0	64.7	.74	73.8	75.0	,,	0.8		+	1		Above 10m.
9 ,,	.984	.360	73.2	68.0	5.2	65.3	.77	73.2	74.8	,,	0.1		+	2		Above 10m.
10 ,,	.982	.373	71.0	66.8	4.2	64.6	.81	71.0	74.5	,,	0.1		+	1		Above 10m.
11 ,,	.975	.377	70.2	66.2	4.0	64.0	.82	70.4	74.1	,,	0.1					
Feb. 13th–Midnight	.971	.402	69.4	65.0	4.4	62.5	.80	69.8	73.9	NNW	0.1					
1 a. m.	.949	.441	68.8	62.8	6.0	59.1	.73	69.2	73.6	,,	0.1		+	1		Above 10m.
2 ,,	.925	.386	68.2	63.5	4.7	60.9	.78	68.6	73.4	,,	0.1		+	1		Above 10m.
3 ,,	.922	.428	67.9	62.0	5.9	58.3	.73	68 3	73.0	,,	0.1		+	2		Above 10m.
4 ,,	.916	.415	67.3	62.0	5.3	58.7	.75	67.2	72.8	,,	0.1					
5 ,,	.923	.414	66.8	62.1	4.7	59.2	.78	67.3	72.5	N	0.1		+	2		Above 10m.
6 ,,	.937	.455	67.4	61.4	6.0	57.5	.72	67.5	72.5	NNE	0.1		+	1		Above 10m.
7 ,,	.969	.544	66.2	59.0	7.2	53.8	.66	66.9	72.0	,,	0.1	None.	+	1	None.	Above 10m.
8 ,,	.998	.605	69.4	59.1	10.3	51.5	.55	69.8	72.1	,,	0.1		+	1		Above 10m.
9 ,,	30.028	.563	74.4	63.4	11.0	56.5	.55	73.0	72.8	NE b N	0.1					
10 ,,	.027	.477	78.0	67.4	10.6	61.5	.59	76.5	73.4	,,	0.1		+	1		Above 10m.
11 ,,	.010	.412	79.2	69.2	10.0	64.0	.61	77.2	73.9	,,	0.1		+	4		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀⌒ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°3 and 79°7.
0	R	Clear; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
0	H	" "	
0	H	A few ≀ in E above hor.; gauze-like mist scattered throughout.	
0	H	Gauze-like mist scattered throughout.	
0	H	Mist in hor.	
0	L	"	
0	L	"	
0	L	Clear.	
0	L	"	
0	R	"	
0	R	A few ≀ above N hor.	
0	R	A few ≀ in S of zth.	
0	R	A few ≀ in W above hor., and about zth.	
1	H	Light ≀ around hor., except in hor.	
1	H	" " "	
0	H	Clear.	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°3 and 79°7.
0	R	Clear; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
0	H	" "	
0	H	Mist in hor.	
2	H	Light ≀ and mist around hor.	
2	H	≀ scattered about hor.; fog and mist in hor.	
5	L	Light ≀ scattered about, except in SE and S; mist around hor.	
2	L	Light ≀ scattered about hor. from W to E; hazy about zth.	
0	L	A few light ≀ in NE and N above hor.	
0	L	Clear.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	Light mist in hor.	
0	H	" "	
0	H	Clear.	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°3 and 79°7. 13th February a cloudless day.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	H	"	
0	H	Gauze-like mist scattered throughout.	
0	H	Light mist around hor.	
0	H	" "	
0	L	" "	
0	L	" "	
0	L	Clear.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 13th-Noon.	29.978	29.409	79°4	68°4	11°0	62°5	0.58	77°8	74°2	NNE	0.1		+	1		Above 10m.
1 p. m.	.945	.337	80.7	70.0	10.7	64.5	.60	80.2	74.5	N b W	0.1		+	2		Above 10m.
2 „	.913	.272	82.5	71.5	11.0	66.1	.59	80.7	75.0	NNW	0.5		+	1		Above 10m.
3 „	.892	.231	82.4	72.0	10.4	67.1	.61	80.5	75.4	NW b N	0.6					
4 „	.893	.186	81.5	73.0	8.5	69.1	.68	80.2	75.6	NW	0.9		+	2		Above 10m.
5 „	.904	.223	79.2	71.6	7.6	68.0	.70	78.6	75.8	NNW	0.8					
6 „	.914	.288	76.0	69.0	7.0	65.4	.71	75.7	75.4	„	0.5				None.	
7 „	.932	.318	75.0	68.3	6.7	64.8	.72	74.8	75.2	„	0.8	None.	+	1		Above 10m.
8 „	.963	.355	74.6	68.0	6.6	64.5	.72	74.6	75.0	„	0.6		+	1		Above 10m.
9 „	.991	.372	73.6	68.0	5.6	65.1	.76	73.6	74.8	N b W	0.2		+	1		Above 10m.
10 „	.980	.400	71.8	66.2	5.6	63.0	.75	71.8	74.6	„	0.2		+	1		Above 10m.
11 „	.965	.408	71.0	65.2	5.8	61.9	.74	71.4	74.3	„	0.3		+	1		Above 10m.
Feb. 15th-Midnight	.914	.380	70.6	64.3	6.3	60.6	.72	71.2	74.1	NE b E	0.1					
1 a. m.	.900	.358	69.0	64.0	5.0	61.0	.77	69.8	73.7	„	0.1					
2 „	.891	.289	69.3	66.0	3.3	64.2	.84	70.2	73.5	„	0.0					
3 „	.879	.407	68.6	61.5	7.1	56.9	.68	69.8	73.3	N b E	0.0					
4 „	.872	.390	69.0	62.0	7.0	57.5	.69	69.8	73.2	N	0.1					
5 „	.884	.445	68.6	60.4	8.2	54.7	.63	68.8	73.0	„	0.0					
6 „	.904	.338	69.6	65.0	4.6	62.3	.79	70.0	72.9	NNE	0.0					
7 „	.933	.373	70.2	65.0	5.2	62.0	.77	70.8	72.9	E	0.1					
8 „	.956	.444	73.4	64.6	8.8	59.3	.63	73.0	73.2	„	0.1					
9 „	.974	.436	75.4	66.1	9.3	60.8	.62	74.7	73.7	„	0.0					
10 „	.975	.472	77.7	65.8	11.9	58.8	.54	76.3	74.1	N	0.1		+	1		Above 10m.
11 „	.964	.341	79.4	70.0	9.4	65.3	.63	78.2	74.5	NNW	0.2		+	2		Above 10m.
Noon.	.947	.311	81.4	71.0	10.4	65.9	.61	79.7	75.0	„	0.2	None.	+	1	None.	Above 10m.
1 p. m.	.923	.296	82.7	71.2	11.5	65.4	.58	80.9	76.0	„	0.1		+	1		Above 10m.
2 „	.907	.203	83.5	73.5	10.0	69.0	.63	82.0	76.0	„	0.3		+	1		Above 10m.
3 „	.891	.115	83.9	75.5	8.4	72.0	.67	82.2	76.4	„	0.6		+	1		Above 10m.
4 „	.894	.156	82.5	74.1	8.4	70.5	.68	81.8	76.5	„	0.4		+	1		Above 10m.
5 „	.900	.139	81.6	74.4	7.2	71.4	.72	80.8	76.8	„	0.2		+	1		Above 10m.
6 „	.900	.213	77.4	71.2	6.2	68.2	.75	77.0	76.3	„	0.2		+	2		Above 10m.
7 „	.910	.223	75.4	70.6	4.8	68.2	.80	75.6	76.0	„	0.1		+	1		Above 10m.
8 „	.928	.275	74.2	69.2	5.0	66.7	.78	74.5	75.7	„	0.1		+	2		Above 10m.
9 „	.938	.292	73.2	68.7	4.5	66.4	.80	73.6	75.5	„	0.1		+	1		Above 10m.
10 „	.939	.381	71.8	65.5	6.3	61.9	.73	72.2	75.2	„	0.1		+	3		Above 10m.
11 „	.927	.385	70.4	64.5	5.9	61.0	.74	71.0	75.0	„	0.1		+	1		Above 10m.
Feb. 16th-Midnight	.915	.219	71.8	69.7	2.1	68.6	.91	79.9	74.7	NNW	0.0		+	3		2.0
1 a. m.	.905	.237	70.7	68.5	2.2	67.4	.90	71.0	74.6	„	0.0					
2 „	.893	.287	69.5	66.2	3.3	64.4	.85	70.2	74.3	„	0.0					
3 „	.891	.267	69.9	66.9	3.0	65.3	.86	70.2	74.2	„	0.0		+	1		Above 10m.
4 „	.892	.481	66.2	58.5	7.7	52.8	.64	67.2	73.5	„	0.0		+	1		Above 10m.
5 „	.905	.516	65.4	57.4	8.0	51.2	.62	67.2	73.1	„	0.0		+	1		Above 10m.
6 „	.925	.355	68.1	64.6	3.5	62.6	.84	68.8	73.0	NE	0.1		+	5		2·05
7 „	.951	.405	69.8	64.4	5.4	61.3	.76	70.2	73.1	„	0.1		+	1		Above 10m.
8 „	.980	.465	72.0	64.2	7.8	59.5	.62	71·9	73.3	„	0.1		+	10	10	Above 10m.
9 „	.998	.514	74.8	64.2	10.6	57.6	.57	74.2	73.8	„	0.1		+	1		Above 10m.
10 „	.998	.440	78.0	67.6	10.4	61.9	.59	77.0	74.2	„	0.1		+	1		Above 10m.
11 „	.980	.400	80.2	69.0	11.2	63.1	.58	78.7	74.7	„	0.1		+	2		Above 10m.
Noon.	.952	.343	81.2	70.2	11.0	64.6	.59	79.4	75.1	NNW	0.1		+	1		Above 10m.
1 p. m.	.922	.265	82.7	72.0	10.7	66.9	.60	81.2	75.5	„	0.1	None.	+	2		Above 10m.
2 „	.898	.180	84.0	74.0	10.0	69.6	.63	82.2	76.1	„	0.1		+	1		Above 10m.
3 „	.889	.165	83.7	74.1	9.6	69.9	.65	82.2	76.4	N	0.1		+	1		Above 10m.
4 „	.889	.163	83.2	74.0	9.2	69.9	.66	82·1	76.7	„	0.3					
5 „	.893	.146	80.6	73.8	6.8	70.8	.73	80.2	76.7	„	0.3					
6 „	.903	.237	77.0	70.5	6.5	67.3	.73	76.9	76.3	„	0·3		+	1		Above 10m.
7 „	.913	.282	75.5	69.0	6.5	65.6	.73	75.4	75.9	NNW	0.4		+	1		Above 10m.
8 „	.935	.289	74.8	69.2	5.6	66.4	.76	74.8	75.7	„	0.2		+	1		Above 10m.
9 „	.948	.355	73.6	67.2	6.4	63.8	.73	73.8	75.6	„	0.1		+	3		Above 10m.
10 „	.936	.364	72.0	66.0	6.0	62.7	.74	72.6	75.3	„	0.0		+	1		Above 10m.
11 „	.922	.371	71.0	65.0	6.0	61.5	.73	71.7	75.0	„	0.0		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the *clouds* are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	L	Clear.	
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°5 and 79°7. The Diurnal Range of Barometer being 0.103′, was smallest in the month.
0	R	,,	
0	R	,,	
0	R	,,	
0	R	,,	
0	L	,,	
0	L	,,	
0	L	Fog and mist in hor.	
0	L	,, ,,	
0	H	,, ,,	
0	H	,, ,,	
0	H	,, ,,	
0	H	,, ,,	
0	R	,, ,,	
0	R	A few light ≀ about S and SW of zth.	
0	R	A few ≀ scattered about zth., and in NW and W.	
0	R	≀ and mist in hor.	
0	L	Light ≀ scattered here and there	
0	L	A few ≀ scattered here and there.	
0	L	Clear.	
0	L	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°2 and 79°6. The Range of calculated Dew-Point on this day was 19°6, largest during the month.
0	R	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	R	Clear.	
0	H	,,	
0	H	Mist around hor.	16th February a cloudless day.
0	H	,,	
0	H	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	L	,,	
0	L	,,	
0	L	,,	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds since the occurrence of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 17th-Midnight	29.920	29.354	70°8	65°4	5°4	62°3	0.76	71°2	74°8	NNW	0.0					
1 a. m.	.915	.422	68.8	62.3	6.5	58.2	.71	70.0	74.3	„	0.0		+	2		Above 10m.
2 „	.906	.398	69.4	63.0	6.4	59.1	.71	70.1	74.1	„	0.0		+	3		Above 10m.
3 „	.906	.447	69.2	61.5	7.7	56.5	.66	69.9	73.9	„	0.0		+	1		Above 10m.
4 „	.905	.339	69.6	65.0	4.6	62.3	.79	70.4	73.8	„	0.0		+	2		Above 10m.
5 „	.909	.367	69.6	64.2	5.4	61.0	.76	69.7	73.7	„	0.1		+	2		Above 10m.
6 „	.931	.385	70.0	64.5	5.5	61.3	.75	70.2	73.5	N	0.1		+	1		Above 10m.
7 „	.961	.423	69.4	64.0	5.4	60.8	.75	70.0	73.3	„	0.1		+	2		Above 10m.
8 „	.990	.436	72.8	65.7	7.1	61.7	.70	73.0	73.5	N b E	0.1		+	7	5	Above 10m.
9 „	30.006	.524	75.6	64.4	11.2	57.5	.55	75.0	74.0	NE b N	0.1		+	3		Above 10m.
10 „	.002	.500	78.4	66.0	12.4	58.7	.53	77.6	74.5	NE	0.3		+	2		Above 10m.
11 „	29.980	.455	81.6	67.8	13.8	60.1	.50	80.8	75.2	„	0.1	None.	+	2		Above 10m.
Noon.	.954	.438	83.9	68.3	15.6	59.6	.46	82.0	75.8	„	0.1		+	1		Above 10m.
1 p. m.	.925	.496	86.6	66.6	20.0	54.1	.35	84.5	76.4	NE b N	0.1		+	2		Above 10m.
2 „	.904	.321	89.1	74.6	14.5	68.1	.51	86.0	77.0	N b W	0.0		+	9	8	Above 10m.
3 „	.884	.129	86.1	75.6	10.5	71.2	.62	84.6	77.2	NNW	0.2		+	6	4	Above 10m.
4 „	.885	.144	84.2	74.7	9.5	70.6	.65	81.8	77.2	NW b N	0.2		+	1		Above 10m.
5 „	.895	.147	81.2	74.0	7.2	70.9	.72	80.2	77.4	„	0.6		+	1		Above 10m.
6 „	.905	.164	77.4	72.7	4.7	70.6	.80	77.2	77.0	„	0.2		+	1		Above 10m.
7 „	.929	.222	75.6	71.2	4.4	69.1	.81	75.9	76.4	„	0.2		+	1		Above 10m.
8 „	.947	.267	74.8	70.2	4.6	67.9	.80	75.4	76.2	„	0.1		+	1		Above 10m.
9 „	.960	.309	73.2	68.8	4.4	66.6	.81	74.0	76.0	„	0.0		+	1		Above 10m.
10 „	.959	.338	72.2	67.6	4.6	65.2	.80	72.9	75.7	„	0.0		+	4		Above 10m.
11 „	.951	.260	73.2	70.0	3.2	68.4	.86	74.0	75.7	E	0.1		+	17	15	0.25
Feb. 18th-Midnight	.948	.262	73.6	70.0	3.6	68.2	.84	74.0	75.7	E	0.1		+	10	9	0.30
1 a. m.	.931	.259	72.1	69.1	3.0	67.6	.87	72.6	75.5	„	0.0		+	5	4	2.20
2 „	.923	.257	71.4	68.7	2.7	67.3	.88	72.3	75.3	NW b N	0.2					
3 „	.915	.210	72.8	70.3	2.5	69.0	.89	73.2	75.3	„	0.1					
4 „	.920	.235	72.2	69.5	2.7	68.1	.88	72.2	75.2	„	0.0					
5 „	.917	.302	69.6	66.5	3.1	64.9	.80	70.2	74.8	„	0.0					
6 „	.948	.347	68.2	65.6	2.6	64.2	.88	69.4	74.3	„	0.1					
7 „	.976	.349	68.5	66.5	2.0	65.4	.91	70.2	74.0	E	0.1		+	10	8	Above 10m.
8 „	.996	.388	72.2	67.2	5.0	64.5	.78	72.6	74.3	„	0.1		+	1		Above 10m.
9 „	30.024	.400	75.6	68.8	6.8	65.3	.72	75.2	74.8	„	0.1		+	6		Above 10m.
10 „	.029	.429	78.4	69.0	9.4	64.1	.63	77.9	75.3	NW	0.1		+	2		Above 10m.
11 „	.021	.398	79.4	70.0	9.4	65.3	.64	78.4	75.5	NW b N	0.2	None.	+	1		Above 10m.
Noon.	29.995	.296	80.2	72.4	7.8	68.8	.69	79.2	75.8	„	0.3		+	4		Above 10m.
1 p. m.	.971	.266	81.1	72.8	8.3	69.0	.68	80.2	76.2	„	0.3		+	1		Above 10m.
2 „	.945	.267	81.2	72.1	9.1	67.8	.65	80.2	76.5	„	0.5		+	1		Above 10m.
3 „	.933	.263	81.5	72.0	9.5	67.5	.64	80.4	76.7	„	0.6		+	1		Above 10m.
4 „	.923	.245	81.2	72.1	9.1	67.8	.65	80.2	76.9	„	0.4		+	1		Above 10m.
5 „	.924	.254	79.6	71.4	8.2	67.5	.68	79.2	76.9	„	0.4		+	1		Above 10m.
6 „	.931	.273	76.2	66.0	6.2	66.9	.74	76.2	76.5	„	0.2		+	1		Above 10m.
7 „	.944	.307	75.0	66.0	6.0	65.9	.75	75.2	76.1	„	0.2		+	1		Above 10m.
8 „	.956	.313	74.6	68.4	6.2	66.2	.74	74.9	76.0	„	0.2		+	1		Above 10m.
9 „	.973	.302	74.0	69.6	4.4	67.5	.81	74.5	75.9	„	0.1		+	1		Above 10m.
10 „	.976	.290	73.0	69.8	3.2	68.2	.86	73.8	75.7	„	0.1		+	1		Above 10m.
11 „	.970	.281	73.4	70.0	3.4	68.3	.85	73.8	75.6	„	0.2		+	1		Above 10m.
Feb. 19th-Midnight	.955	.264	73.2	70.0	3.2	68.4	.86	73.4	75.6	NW b N	0.6		+	7		Above 10m.
1 a. m.	.941	.270	72.8	69.3	3.5	67.5	.85	73.2	75.5	NNW	0.6					
2 „	.932	.230	72.2	70.0	2.2	68.9	.90	72.2	75.3	„	0.5					
3 „	.924	.227	71.4	69.6	1.8	68.7	.92	71.6	75.1	N b W	0.2					
4 „	.926	.281	69.8	67.5	2.3	66.3	.89	70.1	74.8	„	0.1					
5 „	.925	.290	69.7	67.2	2.5	65.8	.89	70.0	74.5	„	0.1	None.			None.	
6 „	.952	.347	69.0	66.0	3.0	64.4	.86	69.2	74.3	„	0.1					
7 „	.984	.383	69.4	66.0	3.4	64.1	.84	70.2	74.0	„	0.1					
8 „	30.015	.404	72.6	67.4	5.2	64.7	.77	73.0	74.3	„	0.1		+	1		Above 10m.
9 „	.031	.346	75.6	70.6	5.0	68.1	.79	75.2	74.7	N	0.4					
10 „	.035	.349	78.1	71.4	6.7	68.2	.73	77.8	75.2	N b W	0.5		+	1		Above 10m.
11 „	.009	.304	79.0	72.2	6.8	69.0	.73	78.7	75.6	„	0.8		+	1		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀∩ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ∨— nimbi.	Remarks.
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°2 and 79°5. The Reading of Air Thermometer at 2 P.M. was 89°1, the greatest in the month, and about 6°3 higher than the Normal Mean; and its Range was also the greatest on this day, being 20°3. 17th February a cloudless day.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	H	Vapour.	
0	H	Mist and fog in hor.	
0	H	,, ,,	
0	H	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	L	Clear.	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°3 and 79°5.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	H	Clear; dew falling.	
0	H	Gauze-like mist throughout.	
0	H	Fog and mist around hor.	
0	H	,, ,,	
0	L	,, ,,	
0	L	,, ,,	
0	L	Clear.	
0	L	,,	
0	C	,,	
0	C	A few ≀ in NW hor.	
1	C	≀ scattered about hor. from WSW to NNE.	
1	C	,, ,,	
1	H	A few patches of ≀∩ in NW and N hor.; ≀ from WSW to NNE hor.	
3	H	≀ and ≀∩ scattered in W hem.; mist in hor.	
4	H	≀ scattered about; a lunar-halo.	
2	H	≀ scattered about hor.; a lunar-halo.	
4	L	≀ scattered about.	
3	L	,,	
3	L	,,	
3	L	Light ≀ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°4 and 79°5.
2	C	,, ,,	
2	C	,, ,,	
2	C	≀ scattered in E hem.	
1	C	,, ,,	
1	H	,, ,,	
1	H	≀ scattered about hor., from NW to SW.	
1	H	≀ and patches of ≀∩ in hor. from N to S; mist in hor.	
1	H	≀ scattered about hor. from NW to SW; mist in hor.	
1	L	≀ scattered in NW, N, NE, E, and S hor.; mist around hor.	
1	L	≀ scattered around hor., except in S.	
5	L	≀ scattered about.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 19th—Noon.	29.985	29.360	79°2	70°0	9°2	65°4	0.64	78°7	75°8	NNW	1.5					
1 p. m.	.955	.339	80.0	70.0	10.0	64.9	.62	79.2	76.0	NW	0.7		+	1		Above 10m.
2 „	.932	.317	79.5	69.6	9.9	64.9	.61	78.7	76.1	„	1.0		+	1		Above 10m.
3 „	.915	.273	79.5	70.6	8.9	66.2	.65	78.9	76.3	„	1.0		+	1		Above 10m.
4 „	.913	.286	79.0	70.0	9.0	65.4	.65	78.6	76.3	„	1.4		+	2		Above 10m.
5 „	.905	.267	78.0	70.0	8.0	66.0	.68	77.2	76.4	„	1.0	None.	+	1		Above 10m.
6 „	.907	.276	75.0	68.8	6.2	65.6	.74	74.9	76.0	„	1.0		+	1		Above 20m.
7 „	.930	.315	74.0	68.0	6.0	64.9	.74	74.2	75.5	NW b N	0.5		+	1		Above 10m.
8 „	.950	.324	74.2	68.4	5.8	65.4	.75	74.2	75.5	NNW	0.5		+	1		Above 20m.
9 „	.959	.431	74.0	64.6	7.4	60.3	.68	72.5	75.2	N b W	0.2		+	2		Above 10m.
10 „	.959	.408	71.0	65.0	6.0	61.5	.73	72.0	75.0	„	0.1		+	8	8	Above 10m.
11 „	.954	.411	70.6	64.6	6.0	61.1	.73	71.2	74.7	„	0.0		+	2		Above 10m.
Feb. 20th—Midnight	.945	.398	70.2	64.6	5.6	61.3	.75	70.8	74.5	N b W	0.0		+	1		Above 10m.
1 a. m.	.938	.398	70.0	64.3	5.7	60.9	.74	70.2	74.4	„	0.0		+	1		Above 10m.
2 „	.919	.327	69.8	65.5	4.3	63.7	.81	70.6	74.2	„	0.2		+	14	12	0.37
3 „	.917	.302	71.0	67.0	4.0	64.9	.82	71.4	74.1	NNW	0.6		+	1		Above 10m.
4 „	.918	.303	71.0	67.0	4.0	64.9	.82	71.2	74.0	„	0.4		+	1		Above 10m.
5 „	.922	.399	68.0	63.0	5.0	60.0	.77	68.0	73.3	„	0.4		+	1		Above 10m.
6 „	.936	.459	66.8	61.0	5.8	57.2	.73	67.2	73.0	„	0.1		+	1		Above 10m.
7 „	.960	.511	66.6	60.0	6.6	55.4	.69	67.5	72.8	N b W	0.1		+	1		Above 10m.
8 „	.982	.532	70.6	61.5	9.1	55.5	.61	71.0	73.0	„	0.1		+	1		Above 10m.
9 „	.994	.559	73.8	62.2	11.6	54.5	.52	73.8	73.4	N	0.1					
10 „	.993	.504	78.4	65.6	12.8	58.0	.51	78.5	74.2	„	0.1		+	1		Above 10m.
11 „	.967	.431	79.4	67.4	12.0	60.7	.55	78.8	74.7	NNW	0.2	None.				
Noon.	.934	.389	79.8	67.8	12.0	61.2	.55	78.8	75.0	NW	0.3		+	1		Above 10m.
1 p. m.	.895	.313	81.2	69.4	11.8	63.2	.56	80.2	75.5	„	0.2		+	1		Above 10m.
2 „	.867	.225	81.5	71.2	10.3	66.2	.61	80.4	75.7	„	0.4		+	2		Above 10m.
3 „	.844	.204	81.0	71.0	10.0	66.1	.62	80.2	76.0	„	0.4		+	1		Above 10m.
4 „	.847	.222	80.5	70.4	10.1	65.4	.62	79.6	76.1	„	0.4		+	2		Above 10m.
5 „	.842	.219	79.4	70.0	9.4	65.3	.63	79.0	76.3	„	0.4		+	1		Above 10m.
6 „	.849	.247	76.4	68.4	8.0	64.2	.67	76.2	76.0	„	0.5					
7 „	.870	.259	75.6	68.4	7.2	64.7	.70	75.6	75.7	„	1.0					
8 „	.894	.279	75.2	68.4	6.8	64.9	.72	75.2	75.5	„	1.0					
9 „	.919	.304	74.6	68.2	6.4	64.9	.73	74.5	75.5	„	0.8					
10 „	.932	.369	72.8	66.0	6.8	62.2	.71	73.0	75.3	NNW	0.3					
11 „	.917	.332	72.3	66.5	5.8	63.3	.75	72.8	75.0	„	0.2					
Feb. 22nd—Midnight	.874	.172	72.2	70.0	2.2	68.9	.90	73.0	75.5	NW b W	0.0		+	6	6	0.30
1 a. m.	.861	.157	72.0	70.0	2.0	69.0	.91	72.8	75.5	„	0.0		+	4		2.15
2 „	.856	.124	72.6	71.0	1.6	70.2	.93	73.2	75.5	„	0.0		+	10	8	0.13
3 „	.846	.111	72.4	71.0	1.4	70.3	.94	73.1	75.4	„	0.0		+	4		1.35
4 „	.856	.119	72.2	71.0	1.2	70.4	.95	73.0	75.3	„	0.0		+	4		Above 10m.
5 „	.860	.170	71.8	69.5	2.3	68.4	.90	72.4	75.2	„	0.1		+	3		Above 10m.
6 „	.896	.228	71.6	68.8	2.8	67.4	.88	72.4	75.0	NE	0.2		+	2		Above 10m.
7 „	.930	.347	71.0	66.0	5.0	63.2	.78	72.0	74.8	„	0.1		+	1		Above 10m.
8 „	.954	.343	74.4	68.0	6.4	64.7	.73	74.4	75.0	„	0.2		+	1		Above 10m.
9 „	.979	.368	77.4	69.0	8.4	64.7	.66	76.8	75.4	NE b E	0.2		+	1		Above 10m.
10 „	.981	.367	80.2	70.0	10.2	64.8	.61	79.2	75.9	„	0.1		+	2		Above 10m.
11 „	.970	.277	82.2	72.8	9.4	68.5	.65	80.8	76.4	E b N	0.2		+	1		Above 10m.
Noon.	.942	.195	83.0	74.5	8.5	70.8	.68	81.5	76.8	SW b S	0.1					
1 p. m.	.909	.107	83.6	76.1	7.5	73.1	.72	82.2	77.1	SW b W	0.1	None.				
2 „	.880	.041	83.8	77.1	6.7	74.4	.74	82.7	77.4	WSW	0.1					
3 „	.864	.030	84.3	77.1	7.2	74.1	.73	83.0	77.8	W	0.1					
4 „	.862	.051	84.2	76.5	7.7	73.4	.71	82.9	78.0	„	0.1					
5 „	.874	.034	83.4	77.0	6.4	74.5	.75	82.4	78.3	„	0.1					
6 „	.887	.073	80.0	75.4	4.6	73.5	.81	79.5	78.0	„	0.1		+	1		Above 10m.
7 „	.912	.134	77.8	73.8	4.0	72.1	.83	77.9	77.6	„	0.0		+	1		Above 10m.
8 „	.933	.106	76.8	74.8	2.0	74.0	.91	77.2	77.4	„	0.0		+	10	10	1.30
9 „	.949	.131	76.2	74.4	1.8	73.6	.92	76.8	77.3	„	0.1					
10 „	.961	.182	75.0	73.0	2.0	72.1	.91	75.8	77.1	„	0.0		+	1		Above 10m.
11 „	.964	.203	74.6	72.4	2.2	71.4	.90	75.0	77.0	„	0.0		+	Out of Sc.	25	0.35

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒ cirri; ⌒⌒ cirro-cumuli; ◠ cumuli; ⌒◡ cirro-strati; ◠◡ cumulo-strati; and ◡◡ nimbi.	
4	L	⌒ scattered in SE hem., moving E.	
4	C	" " "	
3	C	" " "	
5	C	Light ⌒ scattered in E hem.	
3	C	" "	
4	H	" "	
5	H	⌒ scattered about.	
4	H	"	
4	H	"	
4	L	⌒ scattered about; a lunar-halo.	
5	L	⌒ scattered about.	
2	L	"	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°5 and 79°5. The Range of Barometer was 0.152, the greatest in the month.
0	C	" "	
0	C	Clear, except in hor; fresh breezes of wind from 2h. 25m.	
0	C	Clear, except in hor.; fresh breezes of wind.	
0	C	" " "	
0	H	" " "	
0	H	Vapour spread throughout.	
0	H	Fog and mist around hor.	
0	H	" "	
0	L	" "	
0	L	Light mist around hor.	
0	L	Clear.	
0	L	A few ⌒ in N; otherwise clear.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	H	Light mist around hor.	
0	H	" "	
0	H	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	A few ⌒ in W, NW, and N hor.; otherwise clear.	
0	L	A few ⌒⌒ scattered here and there around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°5 and 79°4.
1	C	A few ⌒⌒ in WSW hor.; ⌒ along E hor.; dew falling.	
1	C	A few ⌒⌒ in W hor.; ⌒ around hor.; dew falling.	
0	C	A few ⌒ around hor.; dew falling.	
1	C	⌒ scattered about NE, E, and SE hor.; dew falling.	
1	H	" " "	
1	H	" " "	
1	H	⌒ scattered along E hor.; mist and fog around hor.	
0	H	" " " "	
0	L	A few light ⌒ in NE and E hor.; light mist in hor.	
1	L	⌒ scattered along E hor.; light mist in hor.	
1	L	⌒ scattered along E hor., and a few about zth.	
2	L	⌒ scattered from NE to SW hor.	
5	C	⌒ scattered in E hem., moving NE.	
5	C	⌒ scattered about, moving NE.	
5	C	" "	
5	C	⌒ scattered in E hem. and in NW, moving ENE.	
5	H	⌒ scattered about, except in W.	
2	H	⌒ scattered in E hem. about hor.	
2	H	A few patches of ⌒⌒ in E, moving NE; ⌒ scattered along E hor.	
1	H	⌒ scattered along E hor.	
0	L	Clear, except in hor.	
0	L	Clear; dew falling.	
0	L	A few ⌒ along E hor. and in NW; dew falling.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.		
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Readings of		
													Sign of Electricity + or −	Straws of Volta 1.	Straws of Volta 2.	Interval of Time in receiving the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 23rd—Midnight	29.959	29.186	74°2	72°6	1°6	71°9	0.93	74°8	76°8	W	0·0		+	12	10	1.20
1 a. m.	.954	.215	73.0	71.3	1.7	70.5	.92	74.0	76.5	„	0·0		+	7	6	1.10
2 „	.937	.193	72.6	71.3	1.3	70.7	.94	73.6	76.4	„	0.0		+	6	5	1·35
3 „	.928	.162	72.8	72.0	0.8	71.6	.97	74.0	76.3	„	0.0		+	4		2.00
4 „	.918	.191	72.8	70.9	1.9	70.0	.91	73.3	76.1	NE	0.0					
5 „	.921	.219	72.2	70.0	2.2	68.9	.90	72.9	75.8	„	0.1					
6 „	.943	.304	71.4	68.0	3.4	66.3	.85	72.0	75.5	„	0·2		+	12	10	1·00
7 „	.979	.351	71.6	67.6	4.0	65.5	.82	72.2	75.4	„	0·1		+	1		Above 10m.
8 „	30.000	.304	75.0	70.7	4.3	68.6	.82	75.4	75.6	E	0.1		+	1		Above 10m.
9 „	.019	.363	77.0	70.2	6.8	66.8	.72	76.7	75.9	NE, b E	0·1		+	9	8	1.30
10 „	.018	.291	80.4	73.2	7.2	70.0	.72	79.8	76.4	„	0·1		+	7	7	Above 10m.
11 „	29.999	.279	82.0	73.4	8.6	69.7	.67	80.9	76.9	„	0.0		+	6	6	Above 10m.
Noon.	.971	.353	84.2	71.4	12.8	65.0	.54	83.2	77.4	„	0·0		+	4		Above 10m.
1 p. m.	.934	.383	87.4	70.5	16.9	61.5	.44	85.2	78.0	NE	0.0		+	1		Above 10m.
2 „	.902	.307	88.6	72.1	16.5	63.9	.46	86.2	78.5	NW	0·1		+	3		Above 10m.
3 „	.888	.197	88.4	74.6	13.8	68.4	.53	86.2	78.7	„	0·1	Immeasurable.	+	13	10	0.55
4 „	.891	.115	86.7	76.3	10.4	72.0	.63	84.3	78.9	NW b W	0·2		+	12	10	
5 „	.894	.067	84.6	77.0	7.6	74.0	.72	82.5	79.0	„	0.2		+	13	12	1·00
6 „	.904	.086	80.4	75.6	4.8	73.6	.81	80.3	78.7	„	0.3		+	13	13	1·05
7 „	.939	.118	79.4	75.4	4.0	73.8	.84	79.4	78.5	„	0.3		+	Out of Sc.	20	0·50
8 „	.959	.150	78.4	74.8	3.6	73.3	.85	78.8	78.3	„	0.1		+	1		Above 10m.
9 „	.981	.173	77.8	74.6	3.2	73.3	.87	78.2	78.3	„	0.1					
10 „	.987	.228	76.8	73.0	3.8	71.3	.84	76.8	78.0	„	0.1					
11 „	.972	.342	75.6	69.0	6.6	65.6	.73	76.0	77.7	„	0.1					
Feb. 24th—Midnight	29.959	29.340	74.2	68.2	6.0	65.1	.74	74.8	77.4	NW b N	0.0					
1 a. m.	.945	.367	73.4	67.0	6.4	63.0	.72	74.2	77.0	„	0.0		+	1		Above 10m.
2 „	.926	.317	73.0	66.2	6.8	64.6	.71	73.7	76.7	„	0.0		+	1		Above 10m.
3 „	.920	.427	73.2	63.9	9.3	58.2	.61	73.7	76.5	„	0.0		+	1		Above 10m.
4 „	.910	.306	72.0	67.0	5.0	64.3	.78	72.9	76.4	NW	0.0					
5 „	.907	.204	73.4	70.4	3.0	69.0	.87	73.9	76.1	„	0.0		+	4		Above 10m.
6 „	.939	.224	74.2	71.0	3.2	69.5	.86	74.8	76.0	„	0.0		+	3		Above 10m.
7 „	.960	.297	74.2	69.5	4.7	67.2	.80	75.0	76.1	E	0.1		+	1		Above 10m.
8 „	.975	.355	77.2	69.2	8.0	65.1	.68	77.2	76.4	„	0.1		+	1		Above 10m.
9 „	.983	.355	80.2	70.4	9.8	65.5	.62	79.5	76.9	„	0.1					
10 „	.972	.277	82.0	72.8	9.2	68.6	.65	81.2	77.4	NW b N	0.0					
11 „	.955	.375	83.2	70.0	13.2	63.1	.52	82.4	77.7	„	0.1	None.	+	2		Above 10m.
Noon.	.936	.198	83.5	74.4	9.1	70.5	.66	82.5	78.0	„	0.1		+	1		Above 10m.
1 p. m.	.918	.163	84.0	75.0	9.0	71.2	.67	83.3	78.3	WSW	0.2		+	1		Above 10m.
2 „	.890	.206	84.2	73.2	11.0	68.1	.60	83.3	78.5	W b S	0.2		+	1		Above 10m.
3 „	.882	.162	84.2	74.1	10.1	69.7	.63	83.0	78.6	W	0.2		+	1		Above 10m.
4 „	.872	.117	84.0	75.0	9.0	71.2	.67	83.4	78.9	WSW	0.1		+	1		Above 10m.
5 „	.864	.109	84.0	75.0	9.0	71.2	.67	82.9	79.0	„	0.1		+	7	7	Above 10m.
6 „	.878	.122	79.8	73.8	6.0	71.2	.76	79.2	78.7	„	0.1		+	3		Above 10m.
7 „	.891	.136	77.2	73.0	4.2	71.2	.82	77.8	78.3	„	0.1		+	2		Above 10m.
8 „	.909	.169	75.8	72.2	3.6	70.5	.85	77.0	77.9	„	0.0		+	3		Above 10m.
9 „	.925	.160	75.0	72.6	2.4	71.6	.90	76.0	77.7	„	0.0		+	5		Above 10m.
10 „	.925	.189	74.2	71.6	2.6	70.4	.89	75.2	77.5	„	0.0		+	3		Above 10m.
11 „	.923	.177	74.6	72.0	2.6	70.8	.89	75.2	77.3	„	0.0		+	2		Above 10m.
Feb. 25th—Midnight	.935	.188	73.0	71.4	1.6	70.8	.93	74.0	77.0	WSW	0.0		+	Out of Sc.	30	0.10
1 a. m.	.918	.154	73.0	72.0	1.0	71.5	.95	73.9	76.9	„	0.0		+	7	5	2.40
2 „	.893	.182	71.6	70.2	1.4	69.5	.94	72.8	76.5	„	0.0		+	1		Above 10m.
3 „	.888	.207	70.4	68.8	1.6	68.0	.93	71.6	76.2	„	0.0		+	2		Above 10m.
4 „	.884	.161	71.6	70.4	1.2	69.8	.95	72.3	76.0	NE	0.1		+	2		Above 10m.
5 „	.874	.161	71.2	70.0	1.2	69.4	.94	72.2	76.0	„	0.1		+	1		Above 10m.
6 „	.882	.190	70.0	69.0	1.0	68.5	.95	71.0	75.8	E	0.2		+	1		Above 10m.
7 „	.905	.233	70.6	68.6	2.0	67.6	.91	71.9	75.5	SE b S	0.2	None.				
8 „	.921	.264	73.2	69.0	4.2	66.9	.82	73.7	75.6	„	0.1					
9 „	.946	.261	76.0	70.7	5.3	68.1	.78	75.8	75.8	ENE	0.1		+	1		Above 10m.
10 „	.955	.313	77.6	70.0	7.6	66.2	.69	77.0	76.2	„	0.1		+	2		Above 10m.
11 „	.939	.284	79.6	71.0	8.6	66.8	.66	78.8	76.5	„	0.1		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
1	L	A few patches of and scattered from E to SW hor., former moving E;	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°6 and 79°4.
3	C	scattered about, moving E; dew falling copiously. [dew falling.	
4	C	" " "	
4	C	" " "	
4	C	scattered about hor.; dew falling.	
2	H	" "	
2	H	and about E hor., latter moving NE; dew falling.	
2	H	along E; mist and fog in hor.	
4	H	scattered about; mist and fog in hor.	
2	L	scattered about hor. from NE to S, a few in W and SW; mist in hor.	
3	L	" " " "	
5	L	scattered about; mist in hor.	
5	L	" "	
3	C	A few patches of in N; scattered around hor.	
3	C	along E hor.; in NW above hor.; scattered about zth., moving NE.	
3	C	and in N, NE, and E about hor.; mist in hor.	
2	C	" " " "	
2	H	in SE and S hor.; along E hor.; and about zth., moving E.	
5	H	along E hor.; scattered about, moving NE.	
4	H	scattered about, moving NE.	
5	H	" "	
3	L	" "	
4	L	" "	
2	L	scattered around hor. in SE and S, moving NE.	
2	L	scattered about hor., moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°7 and 79°3.
4	C	Light around hor.; scattered throughout, moving NE.	
3	C	" " "	
5	C	" " "	
7	C	Light and scattered throughout, moving NE.	
6	H	Light and scattered throughout, former moving NE.	
8	H	along E hor.; and scattered throughout, moving NE; light drops	
8	H	Clouds as before; mist and fog in hor. [of rain for 10m.	
8	H	Clouds as before; mist and fog in hor.; a few drops of rain at 8h. 5m.	
4	L	, , and scattered about; moving NE; mist in hor.	
2	L	Light and in SE and S around hor., moving NE.	
2	L	around hor., except in NW; in SW and W above hor.	
2	L	Patches of scattered in E hem.	
2	C	along E hor.; and in E hem., the former moving NE.	
2	C	" " "	
2	C	and along E hor.; in NE.	
2	C	and scattered about hor. from E to SW.	
2	H	and along E hor.	
2	H	and and a few patches of along E hor.	
1	H	A few patches of clouds in E; otherwise clear.	
0	H	Clear.	
0	L	"	
0	L	"	
0	L	Clear; dew falling.	
0	L	A single patch of cloud in W; dew falling copiously.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°9 and 79°4.
0	C	Clear; dew falling copiously.	
0	C	" "	
0	C	" "	
0	C	" "	
0	H	" "	
0	H	A few in S; mist around hor.	
0	H	A few in S hor.; mist and fog in hor.	
0	H	" "	
0	H	A few in E, SW, and NW hor.; mist and fog in hor.	
0	L	A few in S, SW, and NW hor.; mist and fog in hor.	
0	L	A few along W hor.; light mist around hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 25th–Noon.	29.910	29.241	81°6	72°0	9°6	67°4	0.64	80°4	77°0	SW b W	0.1					
1 p. m.	.886	.234	83.2	72.0	11.2	66.6	.59	82.0	77.3	WSW	0.1					
2 „	.851	.163	83.2	73.0	10.2	68.3	.62	82.2	77.5	NW b W	0.1		+	1		Above 10m.
3 „	.825	.023	83.6	76.1	7.5	73.0	.71	82.6	78.0	NW	0.2					
4 „	.824	.053	82.2	74.9	7.3	71.8	.72	81.7	78.1	„	0.2					
5 „	.830	.051	80.4	74.6	5.8	72.1	.77	80.2	78.0	„	0.2	None.			None.	
6 „	.843	.086	78.0	73.3	4.7	71.2	.81	78.2	77.8	„	0.3					
7 „	.855	.129	76.7	72.1	4.6	69.9	.81	77.2	77.5	„	0.1					
8 „	.873	.215	76.2	70.0	6.2	66.9	.74	76.9	77.5	„	0.1					
9 „	.885	.192	76.2	71.0	5.2	68.5	.78	76.5	77.4	„	0.2					
10 „	.884	.180	75.4	71.0	4.4	69.0	.82	75.7	77.1	„	0.0					
11 „	.879	.229	73.5	68.9	4.6	66.6	.80	73.8	76.9	„	0.0					
Feb. 27th–Midnight	.844	.116	73.0	71.0	2.0	70.0	.91	73.8	76.4	WNW	0.0					
1 a. m.	.838	.138	72.4	70.0	2.4	68.8	.89	73.0	76.1	„	0.0					
2 „	.824	.129	72.2	69.8	2.4	68.6	.89	73.0	76.0	„	0.0					
3 „	.808	.102	71.8	70.0	1.8	69.1	.92	73.0	75.8	„	0.0					
4 „	.817	.104	71.8	70.2	1.6	69.4	.93	72.7	75.7	„	0.0					
5 „	.821	.087	71.8	70.8	1.0	70.3	.95	72.2	75.6	„	0.1					
6 „	.852	.139	71.2	70.0	1.2	69.4	.94	71.9	75.3	„	0.1					
7 „	.879	.154	71.4	70.4	1.0	69.9	.95	72.2	75.3	„	0.1					
8 „	.897	.196	74.8	70.8	4.0	68.9	.83	75.0	75.6	„	0.1					
9 „	.913	.239	77.6	71.0	6.6	67.7	.73	77.0	76.0	N	0.0					
10 „	.921	.190	79.4	73.0	6.4	70.2	.74	78.7	76.4	„	0.0					
11 „	.903	.225	80.2	71.8	8.4	67.8	.67	79.7	76.6	WNW	0.1	None.	None.	None.	None.	None.
Noon.	.887	.199	81.2	72.4	8.8	68.3	.66	80.4	76.9	„	0.2					
1 p. m.	.864	.160	82.8	73.3	9.5	69.0	.65	81.8	77.3	NW	0.1					
2 „	.842	.155	83.3	73.0	10.3	68.2	.62	82.0	77.5	„	0.1					
3 „	.827	.102	83.3	74.0	9.3	69.9	.65	82.1	77.8	„	0.2					
4 „	.834	.108	83.2	74.0	9.2	69.9	.66	82.2	78.0	NW b W	0.1					
5 „	.847	.164	80.4	72.0	8.4	68.1	.67	79.2	77.9	„	0.1					
6 „	.864	.219	77.4	70.0	7.4	66.3	.70	77.4	77.5	„	0.1					
7 „	.882	.293	75.8	67.8	8.0	63.5	.67	76.2	77.1	„	0.1					
8 „	.905	.305	75.4	68.0	7.4	64.1	.69	75.7	77.0	„	0.1					
9 „	.922	.347	74.6	67.0	7.6	62.8	.68	74.8	76.7	„	0.0					
10 „	.922	.325	72.6	67.0	5.6	64.0	.76	73.0	76.3	„	0.0					
11 „	.922	.335	71.8	66.4	5.4	63.4	.76	72.6	76.0	„	0.0					
Feb. 28th–Midnight	.911	.328	71.0	66.0	5.0	63.2	.78	72.3	75.8	NW b W	0.0					
1. a. m.	.896	.313	71.0	66.0	5.0	63.2	.78	72.1	75.5	„	0.0					
2 „	.875	.283	71.0	66.3	4.7	63.7	.79	71.7	75.3	„	0.0					
3 „	.872	.261	70.5	66.7	3.8	64.7	.83	71.3	75.3	„	0.0					
4 „	.874	.254	70.5	67.0	3.5	65.1	.84	71.2	75.1	„	0.0					
5 „	.876	.265	71.4	67.0	4.4	64.7	.80	72.2	75.0	NNE	0.1					
6 „	.897	.272	71.6	67.5	4.1	65.4	.82	72.3	74.8	NE	0.1					
7 „	.926	.303	71.8	67.5	4.3	65.3	.81	72.3	74.9	E	0.1		+	Out of Sc.	25	0.35
8 „	.944	.282	74.6	69.6	5.0	67.1	.79	74.5	75.1	„	0.1		+	8	5	1.30
9 „	.965	.300	76.2	70.2	6.0	67.2	.75	76.2	75.5	„	0.1		+	9	8	3.20
10 „	.966	.316	78.2	70.4	7.8	66.6	.69	77.8	75.8	„	0.1		+	4		Above 10m.
11 „	.957	.330	79.0	70.0	9.0	65.4	.65	78.2	76.1	N	0.2		+	3		Above 10m.
Noon.	.935	.302	79.8	70.4	9.4	65.7	.64	78.7	76.3	NW b N	0.1		+	1		Above 10m.
1 p. m.	.911	.268	80.7	71.0	9.7	66.2	.64	79.3	76.5	NNW	0.1	None.	+	2		Above 10m.
2 „	.879	.237	80.8	71.0	9.8	66.2	.63	79.5	76.7	NW b N	0.1		+	2		3.15
3 „	.865	.223	80.3	71.0	9.8	66.2	.63	79.5	76.8	WNW	0.1		+	1		Above 10m.
4 „	.865	.240	80.8	70.5	10.3	65.4	.61	79.3	77.0	„	0.2		+	1		Above 10m.
5 „	.861	.243	78.6	69.6	9.0	65.0	.65	77.8	77.0	„	0.2		+	1		Above 10m.
6 „	.869	.260	75.8	68.4	7.4	64.6	.69	75.4	76.5	„	0.2		+	1		Above 10m.
7 „	.893	.311	74.0	67.0	7.0	63.2	.70	74.2	76.2	„	0.1		+	2		Above 10m.
8 „	.913	.328	73.2	66.8	6.4	63.3	.73	73.7	76.0	„	0.0		+	1		Above 10m.
9 „	.927	.338	72.8	66.8	6.0	63.5	.74	73.4	75.7	„	0.0		+	2		Above 10m.
10 „	.923	.347	72.2	66.2	6.0	62.9	.74	72.5	75.5	„	0.0		+	1		Above 10m.
11 „	.909	.333	72.2	66.2	6.0	62.9	.74	72.8	75.5	„	0.0		+	2		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ⌣ nimbi.	
0	L	A few ≀ in SE and S along W hor.	
0	C	≀ scattered here and there.	
0	C	" "	
1	C	≀ scattered in NW, N, and NE above hor.	
2	C	Light ≀ scattered about, moving NE.	
4	C	" " "	
3	C	" " "	
3	C	" " "	
4	C	Light ≀ scattered about, moving ENE.	
2	C	≀ scattered about hor., moving ENE.	
3	C	≀ scattered about, moving ENE.	
2	C	" "	
3	L	≀≀ scattered about, moving NW; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 76°9 and 79°5. The height of Barometer at 3 A. M. was smallest in the month, and about 0·071 less than the Normal Mean.
7	C	≀≀ scattered throughout.	
4	C	≀≀ scattered about.	
2	C		
3	C	"	
1	H	Patches of ≀≀ in N hor.; dew falling.	
2	H	⌣ and ≀≀ along E hor., latter moving NE; gauze-like mist scattered throughout.	
2	H	≀ and ≀≀ scattered along E hor.; their vapour throughout.	
1	H	≀ and ≀≀ scattered along E hor.; fog and mist in hor.	
0	L	Mist and fog in hor.; otherwise clear.	
0	L	Mist and fog in hor.	
0	L	A few patches of ≀≀ in E above hor.; otherwise clear.	
0	L	Clear.	
0	C	"	
0	C	"	
1	C	Patches of ≀≀ in W above hor.	
2	C	≀≀ scattered in SW, W, and NW above hor., moving E.	
6	H	≀≀ scattered throughout, moving E.	
6	H	" "	
7	H	" "	
5	H	≀≀ scattered about.	
3	L	"	
3	L	"	
2	L	≀≀ scattered around hor. and in SE.	
2	L	≀≀ and ≀ scattered about, the former moving E.	Mean daily Temperature of Gound 20 and 60 inches below its surface 77°0 and 79°6.
2	C	" " "	
2	C	" " "	
2	C	" " "	
4	C	" " "	
7	H	≀≀ scattered throughout.	
8	H	Overcast with ≀≀, moving E.	
8	H	" "	
8	H	" "	
8	L	" "	
6	L	≀≀ scattered throughout, moving NE.	
3	L	≀≀ scattered about.	
3	L	≀≀ scattered around hor.	
3	C		
1	C	" "	
0	C	" "	
0	C	A few patches of ≀≀ and ≀ around hor.; otherwise clear.	
0	C	A few patches of ≀≀ in E above hor.	
0	L	Clear.	
0	L	"	
0	L	A few patches of ≀≀ in E above hor.	
0	L	" " "	
0	L	" " "	
0	L	Clear.	
0	L	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 2nd—Midnight	29.851	29.190	74°0	69°4	4°6	67°1	0.80	73°6	75°7	NNW	0.2		+	12	10	2.30
1 a. m.	.839	.182	72.6	68.8	3.8	66.9	.83	73.0	75.5	„	0.1		+	2		Above 10m.
2 „	.823	.164	71.8	68.6	3.2	67.0	.86	72.2	75.3	„	0.1		+	4		Above 10m.
3 „	.812	.151	71.6	68.6	3.0	67.1	.87	71.8	75.1	„	0.1		+	5		3.20
4 „	.808	.131	71.4	69.0	2.4	67.8	.89	71.7	75.1	„	0.2		+	2		Above 10m.
5 „	.826	.153	71.2	68.8	2.4	67.6	.89	71.5	75.0	NE	0.1		+	1		Above 10m.
6 „	.852	.192	70.8	68.3	2.5	67.0	.89	71.2	74.9	N b W	0.0		+	2		Above 10m.
7 „	.875	.196	71.5	69.1	2.4	67.9	.89	72.2	74.7	„	0.0		+	12	10	1.12
8 „	.898	.235	74.2	69.5	4.7	67.2	.80	74.4	75.0	„	0.0		+	10	7	Above 10m.
9 „	.913	.239	76.6	70.6	6.0	67.7	.75	76.2	75.4	„	0.0		+	2		Above 10m.
10 „	.920	.252	77.8	70.8	7.0	67.4	.71	77.0	75.7	„	0.2		+	1		Above 10m.
11 „	.906	.275	78.6	70.0	8.6	65.6	.66	77.6	75.9	„	0.2		+	2		Above 10m.
Noon.	.869	.182	80.0	72.0	8.0	68.2	.69	78.9	76.2	„	0.2		+	1		Above 10m.
1 p. m.	.843	.194	80.2	71.0	9.2	66.5	.65	78.9	76.3	NW	0.3		+	2		Above 10m.
2 „	.823	.170	79.8	71.0	8.8	66.7	.66	78.8	76.4	„	0.5	None.	+	1		Above 10m.
3 „	.797	.192	79.5	69.5	10.0	64.4	.61	78.2	76.4	„	0.6		+	1		Above 10m.
4 „	.795	.204	78.6	68.8	9.8	63.7	.62	77.8	76.4	„	0.8		+	1		Above 10m.
5 „	.791	.211	77.2	68.0	9.2	63.1	.63	76.8	76.3	„	0.5		+	1		Above 10m.
6 „	.802	.222	75.0	67.3	7.7	63.1	.68	75.0	76.2	„	0.6		+	2		Above 10m.
7 „	.823	.231	74.0	67.3	6.7	63.7	.72	74.2	76.0	„	0.6		+	2		Above 10m.
8 „	.841	.255	73.6	67.0	6.6	63.4	.72	74.1	75.8	„	0.8		+	2		Above 10m.
9 „	.851	.261	73.3	67.0	6.3	63.6	.73	73.5	75.6	NW b N	0.6		+	1		Above 10m.
10 „	.859	.266	73.0	67.0	6.0	63.8	.74	73.4	75.4	„	0.3		+	2		Above 10m.
11 „	.855	.254	72.9	67.2	5.7	64.2	.75	73.3	75.4	„	0.3		+	1		Above 10m.
Mar. 3rd—Midnight	.845	.250	72.0	66.6	5.4	63.7	.76	72.2	75.3	NW b N	0.2		+	2		Above 10m.
1 a. m.	.823	.210	71.2	67.0	4.2	64.8	.81	71.5	75.1	„	0.0		+	1		Above 10m.
2 „	.809	.198	70.8	66.8	4.0	64.7	.82	71.2	74.8	„	0.0					
3 „	.806	.195	70.8	66.8	4.0	64.7	.82	71.2	74.7	„	0.0		+	1		Above 10m.
4 „	.809	.176	70.6	67.4	3.2	65.7	.85	71.0	74.5	„	0.0		+	1		Above 10m.
5 „	.825	.223	69.3	66.0	3.3	64.2	.85	70.1	74.4	„	0.0		+	1		Above 10m.
6 „	.853	.217	70.0	67.3	2.7	65.9	.88	70.8	74.3	„	0.0		+	1		Above 10m.
7 „	.891	.245	71.2	68.0	3.2	66.4	.86	71.8	74.3	SE	0.1		+	16	15	0.40
8 „	.905	.239	72.4	69.0	3.4	67.4	.85	73.0	74.3	E	0.1		+	6	6	Above 10m.
9 „	.931	.273	75.5	69.8	5.7	66.9	.76	75.0	74.8	„	0.1		+	2		Above 10m.
10 „	.931	.270	77.2	70.4	6.8	67.1	.72	76.2	75.2	„	0.1		+	2		Above 10m.
11 „	.915	.234	78.6	71.4	7.2	68.0	.71	77.0	75.5	NNW	0.1		+	1		Above 10m.
Noon.	.892	.178	79.6	72.6	7.0	69.4	.72	78.2	75.8	„	0.1	None.	+	1		Above 10m.
1 p. m.	.864	.229	80.8	70.8	10.0	65.8	.62	79.8	76.2	NW	0.3		+	1		Above 10m.
2 „	.840	.228	81.6	70.4	11.2	64.8	.58	80.5	76.4	„	0.5		+	1		Above 10m.
3 „	.830	.292	81.0	68.0	13.0	60.8	.52	80.0	76.4	„	0.4		+	1		Above 10m.
4 „	.829	.291	81.0	68.0	13.0	60.8	.52	79.9	76.6	„	0.5		+	1		Above 10m.
5 „	.836	.254	80.0	69.0	11.0	63.2	.58	78.9	76.6	„	0.4		+	1		Above 10m.
6 „	.844	.258	76.6	68.0	8.6	63.4	.65	76.6	76.5	„	0.3		+	1		Above 10m.
7 „	.854	.284	75.4	67.1	8.3	62.6	.66	75.8	76.2	„	0.2		+	1		Above 10m.
8 „	.874	.295	74.8	67.2	7.6	63.0	.68	75.1	76.0	„	0.3		+	2		Above 10m.
9 „	.879	.288	74.4	67.4	7.0	63.7	.70	74.4	75.8	„	0.2		+	1		Above 10m.
10 „	.888	.263	74.0	68.3	5.7	65.4	.76	74.2	75.7	„	0.2					
11 „	.890	.196	74.5	70.5	4.0	68.6	.83	74.5	75.7	„	0.6				•	
Mar. 4th—Midnight	.886	.190	74.6	70.6	4.0	68.6	.83	74.6	75.8	NW	0.8					
1 a. m.	.871	.173	74.4	70.6	3.8	68.7	.83	73.8	75.8	„	0.2					
2 „	.856	.190	74.2	69.6	4.6	67.3	.80	73.0	75.7	NW b N	0.1					
3 „	.847	.159	72.2	69.6	2.6	68.3	.88	72.6	75.4	„	0.1					
4 „	.848	.165	72.0	69.4	2.6	68.1	.88	72.2	75.3	„	0.0					
5 „	.856	.160	71.8	69.7	2.1	68.6	.91	72.2	75.1	„	0.0					
6 „	.868	.186	71.6	69.2	2.4	68.0	.89	71.9	75.0	„	0.0	None.	None.	None.	None.	None.
7 „	.887	.217	70.5	68.0	2.5	67.5	.89	71.3	74.7	„	0.1					
8 „	.891	.209	74.0	70.0	4.0	68.0	.83	74.2	75.0	„	0.1					
9 „	.897	.227	76.4	70.4	6.0	67.5	.75	76.2	75.4	NNE	0.1					
10 „	.894	.209	78.6	71.5	7.1	68.1	.72	77.7	75.8	NE b N	0.1					
11 „	.875	.183	80.2	72.2	8.0	68.5	.69	79.0	76.2	N	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	
0	H	A few ≀≀ in W above hor., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°0 and 79°6; the Range of the Temperature of External and Free Air was 9°4, the smallest in the month.
2	L	≀≀ scattered around hor., moving SE.	
0	L	A few patches of ≀≀ in SW; otherwise clear.	
0	L	≀≀ scattered about SW, W, and NW hor.	
2	L	≀≀ scattered about, moving SE.	
1	C	Patches of ≀≀ in E hor.	
0	C	Mist around hor.	
0	C	"	
0	C	"	
0	H	Mist and fog in hor.	
0	H	" "	
0	H	" "	
0	H	" "	
0	L	" "	
0	L	A few patches of ≀≀ in N, NE, and E.	
0	L	" " "	
0	L	A few patches of ≀≀ in NE; otherwise clear.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°0 and 79°7; the Temperature of External and Free Air at 5 A. M. was the lowest in the month, and about 3°6 lower than the Normal Mean.
0	L	A few patches of ≀≀ in S and SW.	
0	L	A few patches of clouds in NE.	
0	L	A few patches of clouds in NW and E.	
0	L	A few patches of ≀≀ in N and S, moving N.	
1	C	A few patches of ≀≀ in SE; light ≀ in N, NE, and E.	
3	C	≀≀ scattered in E hem., moving N; light ≀ in E above hor.; mist in hor.	
1	C	≀≀ scattered about, moving N; mist around hor.	
0	C	≀≀ scattered here and there, moving NNW; mist in hor.	
0	H	A few patches of ≀≀ scattered about, moving W; mist around hor.	
0	H	A few patches of ≀≀ in N, SE, and W above hor.; mist in hor.	
0	H	A few patches of ≀≀ in E and SE hor.; mist in hor.	
0	H	Patches of ≀≀ scattered about, moving E; mist in hor.	
0	L	A few patches of ≀≀ along E hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	A few ≀≀ in NE; light ≀ in SSE hor.; otherwise clear.	
0	C	A few ≀ around hor., except in N and NE.	
0	C	Clear.	
0	C	"	
0	H	"	
0	H	"	
5	H	Dense ≀≀ scattered about, moving ESE.	
6	H	Dense ≀≀ scattered throughout, moving ESE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°0 and 79°7.
2	L	≀≀ scattered about hor., moving SE.	
2	L	" " "	
0	L	Clear.	
0	L	A few patches of ≀≀ in S, SW, and W above hor.	
0	C	Clear.	
0	C	Mist around hor.	
0	C	A few patches of ≀≀ in S; mist and fog in hor.	
0	C	" " " "	
0	H	Mist and fog around hor.	
0	H	" "	
0	H	Light mist in hor.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 4th–Noon.	29.848	29.133	80°8	73°0	7°8	69°5	0.70	79°6	76°4	NW b N	0.4					
1 p. m.	.824	.093	81.4	73.6	7.8	70.2	.70	80.7	76.7	NW b W	1.8					
2 „	.797	.109	81.2	72.4	8.8	68.3	.66	80.6	77.0	NW	1.0					
3 „	.780	.087	80.8	72.4	8.4	68.5	.67	80.2	77.2	„	1.5					
4 „	.772	.082	81.0	72.4	8.6	68.4	.67	80.7	77.3	„	1.0					
5 „	.785	.103	80.8	72.1	8.7	68.0	.67	80.1	77.4	„	1.2					
6 „	.797	.159	78.0	70.0	8.0	66.0	.68	78.2	77.8	„	1.6	None.			None.	
7 „	.818	.132	76.8	71.0	5.8	68.2	.76	77.1	77.0	„	1.0					
8 „	.850	.146	76.2	71.3	4.9	69.0	.79	76.3	76.8	„	1.5					
9 „	.870	.137	75.8	72.0	3.8	70.2	.84	76.2	76.7	„	0.8		+	1		Above 10m.
10 „	.870	.151	75.2	71.4	3.8	69.6	.84	75.4	76.6	„	0.6		+	1		Above 10m.
11 „	.870	.163	75.0	71.0	4.0	69.1	.83	75.4	76.5	„	0.8		+	1		Above 10m.
Mar. 5th–Midnight	.870	.149	75.0	71.8	3.2	70.3	.86	75.2	76.4	NW b N	0.6					
1 a. m.	.863	.045	74.4	74.2	0.2	74.1	.99	74.6	76.4	„	0.1					
2 „	.852	.137	73.6	71.2	2.4	70.1	.89	74.0	76.2	„	0.0					
3 „	.845	.129	73.0	71.0	2.0	70.0	.91	73.6	76.1	„	0.0					
4 „	.836	.127	72.8	70.8	2.0	69.8	.91	73.4	75.9	„	0.0					
5 „	.844	.142	72.0	70.3	1.7	69.4	.92	72.7	75.8	„	0.0					
6 „	.857	.162	71.8	70.0	1.8	69.1	.92	72.3	75.5	N b E	0.1					
7 „	.882	.162	72.6	71.0	1.6	70.2	.93	73.2	75.5	„	0.1					
8 „	.909	.199	75.0	71.5	3.5	69.9	.85	75.3	75.7	NNW	0.2					
9 „	.917	.236	77.8	71.5	6.3	68.6	.74	77.5	76.1	N b W	0.3					
10 „	.912	.234	79.6	72.0	7.6	68.4	.70	79.2	76.5	NW b N	0.4					
11 „	.895	.239	80.5	71.6	8.9	67.3	.66	79.5	76.8	„	1.5	None.			None.	
Noon.	.862	.211	80.9	71.6	9.3	67.2	.64	79.5	77.0	„	2.0		+	1		Above 10m.
1 p. m.	.835	.170	81.6	72.2	9.4	67.8	.64	80.7	77.2	„	2.8					
2 „	.804	.120	81.8	72.8	9.0	68.9	.66	81.0	77.4	„	2.5					
3 „	.791	.096	81.6	73.0	8.6	69.1	.67	80.8	77.5	„	1.5					
4 „	.790	.080	81.4	73.4	8.0	69.8	.69	80.7	77.7	NW	1.0					
5 „	.797	.090	80.4	73.0	7.4	69.7	.71	79.5	77.6	„	1.4		+	1		Above 10m.
6 „	.807	.149	78.0	71.0	7.0	67.6	.72	78.1	77.5	„	1.0		+	1		Above 10m.
7 „	.821	.142	77.4	71.4	6.0	68.6	.75	77.6	77.3	„	0.8		+	1		Above 10m.
8 „	.840	.131	76.7	72.0	4.7	69.8	.80	76.9	77.1	„	1.0		+	2		Above 10m.
9 „	.867	.152	76.2	72.0	4.2	70.1	.82	76.2	77.0	„	1.5		+	1		Above 10m.
10 „	.878	.143	75.2	72.2	3.0	70.8	.87	75.2	76.8	NW	0.8		+	1		Above 10m.
11 „	.876	.159	74.4	71.5	2.9	70.2	.87	74.6	76.7	„	1.0		+	1		Above 10m.
Mar. 6th-Midnight	.878	.163	74.2	71.0	3.2	69.5	.86	74.4	76.6	NW b N	0.6		+	1		Above 10m.
1 a. m.	.868	.151	74.0	71.0	3.0	69.6	.87	74.5	76.5	„	0.3		+	2		Above 10m.
2 „	.851	.105	74.0	71.8	2.2	70.8	.90	74.4	76.4	„	0.2		+	1		Above 10m.
3 „	.851	.125	73.8	71.2	2.6	69.9	.89	74.2	76.2	„	0.1		+	2		Above 10m.
4 „	.843	.117	73.2	71.0	2.2	69.9	.90	73.4	76.1	„	0.0		+	1		Above 10m.
5 „	.860	.144	71.8	70.3	1.5	69.5	.93	72.2	75.8	„	0.1		+	1		Above 10m.
6 „	.884	.183	72.3	70.0	2.3	68.9	.90	72.7	75.8	N b E	0.1					
7 „	.906	.175	72.7	71.0	1.7	70.2	.92	73.2	75.6	NNE	0.1		+	1		Above 10m.
8 „	.930	.187	74.9	72.0	2.9	70.7	.87	75.2	75.9	„	0.1					
9 „	.939	.217	77.2	72.1	5.1	69.8	.79	77.0	76.2	E	0.2					
11 „	.944	.246	79.0	72.0	7.0	68.8	.72	78.5	76.5	N b W	0.2					
10 „	.921	.206	80.8	73.0	7.8	69.5	.70	79.6	76.9	NNW	0.4		+	1		Above 10m.
Noon.	.891	.119	81.4	74.7	6.7	71.8	.74	80.6	77.1	„	0.6	None.	+	2	None.	Above 10m.
1 p. m.	.865	.101	81.6	74.4	7.2	71.5	.72	80.8	77.4	NW b N	0.6					
2 „	.848	.096	81.8	74.5	7.3	71.0	.72	81.2	77.6	„	0.8					
3 „	.831	.115	82.0	73.4	8.6	69.5	.67	81.4	77.7	„	0.8		+	1		Above 10m.
4 „	.826	.122	81.8	73.0	8.8	69.0	.66	81.2	77.9	„	0.5					
5 „	.832	.145	80.0	72.0	8.0	68.4	.69	80.2	78.0	„	0.6		+	1		Above 10m.
6 „	.841	.179	78.1	70.7	7.4	67.1	.70	78.2	77.7	„	0.6		+	1		Above 10m.
7 „	.855	.180	77.2	70.8	6.4	67.7	.74	77.4	77.5	„	0.8		+	1		Above 10m.
8 „	.871	.179	76.9	71.2	5.7	68.5	.76	77.0	77.5	„	0.6					
9 „	.883	.185	76.4	71.2	5.2	68.9	.78	76.7	77.2	„	0.3					
10 „	.893	.181	76.1	71.5	4.6	69.3	.81	76.2	77.2	„	0.2					
11 „	.891	.178	74.4	71.0	3.4	69.4	.85	75.0	77.0	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿i cirri; ∿∿i cirro-cumuli; ∩i cumuli; ∿∿i cirro-strati; ∩∿i cumulo-strati; and ∿∿i nimbi.	
0	H	Light mist in hor.	
0	L	A few light ∿i in E above hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
0	H	A few patches of ∿∿i in zth., moving ESE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°0 and 79°7.
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	Mist around hor.	
0	C	Mist and fog around hor.	
0	C	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	H	" "	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°0 and 79°8.
0	L	"	
5	L	∿∿i like clouds scattered about, moving SE.	
3	L	" " "	
0	L	A few patches in SE, S, and SW, moving SE.	
7	C	Densely clouded with dense ∿∿i, moving SE.	
2	C	Dense, ∿∿i scattered about hor., moving S.	
0	C	A few patches of clouds along E; mist around hor.	
0	C	" " "	
0	H	Light mist around hor.	
0	H	Small patches of clouds in SE, moving S; mist around hor.	
0	H	Light mist around hor.	
0	H	" "	
0	L	Two small patches of clouds in E above hor.; otherwise clear.	
0	L	Clear.	
0	L	"	
0	L	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 8th-Midnight	29.871	29.099	75·6	73·0	2·6	71·8	0.89	76·2	77·2	E	0.1					
1 a. m.	.856	.057	75·2	73.6	1.6	73.0	.93	75.5	77.1	„	0.1					
2 „	.844	.044	74·8	73.5	1.3	73.0	.94	75.4	77.0	„	0.0					
3 „	.838	.055	74.6	73.0	1.6	72.3	.93	75.0	76.9	„	0.0					
4 „	.836	.038	74.6	73.4	1.2	72.9	.95	75.0	76.8	SE	0.1					
5 „	.851	.063	74.2	73.0	1.2	72.5	.95	74.9	76.8	S	0.1					
6 „	.875	.085	74.0	73.0	1.0	72.6	.96	74.8	76.7	„	0.1					
7 „	.884	.106	74.4	72.8	1.6	72.1	.93	75.0	76.5	SE	0.1					
8 „	.903	.128	76.4	73.4	3.0	72.0	.87	76.7	76.7	ESE	0.1					
9 „	.921	.145	78.6	74.0	4.6	72.0	.81	78.2	77.1	„	0.1					
10 „	.920	.124	80.3	75.0	5.3	72.8	.79	79.6	77.5	„	0.1					
11 „	.907	.095	82.0	75.9	6.1	73.4	.76	80.9	77.8	S b E	0·1	None.			None.	
Noon.	.878	.064	82.9	76.2	6.7	73.5	.74	81.7	78.1	S b W	0.1					
1 p. m.	.856	.034	83.6	76.6	7.0	73.8	.73	82.4	78.4	SW b S	0.2	None.			None.	
2 „	.840	.025	84.2	76.6	7.6	73.5	.71	83.2	78.7	SW b W	0,2					
3 „	.824	.019	84.8	76.5	8.3	73.2	.69	83.7	78.9	WSW	0.1					
4 „	.824	.028	84.6	76.2	8.4	72.8	.69	83.7	79.1	„	0.1		+	2		Above 10m.
5 „	.832	.054	82.9	75.3	7.6	72.1	.71	82.2	79.0	„	0.1					
6 „	.848	.071	79.9	74.4	5.5	72.0	.78	80.0	78.8	„	0.1		+	2		Above 10m.
7 „	.868	.094	78.4	73.9	4.5	71.9	.81	78.9	78.5	SWb W	0.2		+	1		Above 10m.
8 „	.880	.109	77.8	73.6	4.2	71.8	.82	78.2	78.4	„	0.2					
9 „	.885	.117	77.3	73.4	3.9	71.7	.84	77.4	78.2	„	0.1					
10 „	.887	.126	77.0	73.1	3.9	71.4	.84	77.3	78.1	„	0.1					
11 „	.888	.131	77.0	73.0	4.0	71.2	.83	77.3	78.1	„	0.1					
Mar 9th-Midnight	.872	.106	76·2	73.0	3.2	71.6	.86	76.7	77.9	SW b W	0.1					
1 a. m.	.863	.100	75.8	72.8	3.0	71.5	.87	76.4	77.6	„	0.0					
2 „	.853	.074	76.0	73.3	2.7	72.1	.88	76.4	77.6	„	0.0					
3 „	.853	.072	75.8	73.3	2.5	72.2	.88	76.4	77.6	„	0.0					
4 „	.845	.068	75.2	73.0	2.2	72.0	.90	75.7	77.5	E	0.1					
5 „	.848	.078	74.8	72.7	2.1	71.8	.91	75.2	77.3	„	0.2					
6 „	.867	.105	74.2	72.3	1.9	71.4	.92	74.8	77.0	ESE	0.3					
7 „	.895	.105	75.7	73.5	2.2	72.6	.90	76.2	77.1	„	0.2					
8 „	.909	.152	77.0	73.0	4.0	71.2	.83	77.0	77.3	S E b S	0.1					
9 „	.923	.145	80.2	74.5	5.7	72.1	.77	79.6	77.7	SSE	0.2					
10 „	.915	.123	82.0	75.4	6.6	72.7	.74	81.0	78.1	„	0.1		+	1		Above 10m.
11 „	.898	.121	83.0	75.3	7.7	72.0	.71	82.0	78.4	„	0.1	None.	+	1		Above 10m.
Noon.	.877	.127	83.8	74.8	9.0	71.0	.67	82.2	78.6	S b E	0.1				None.	
1 p. m.	.842	.093	84.6	74.8	9.8	70.9	.64	83.0	78.9	SW	0.2	None.				
2 „	.823	.047	85.6	76.0	9.6	72.0	.65	84.6	79.3	„	0.3					
3 „	.810	.016	85.4	76.4	9.0	72.8	.67	84.6	79.5	„	0.3					
4 „	.803	.010	84.8	76.2	8.6	72.7	.68	84.2	79.6	„	0.4					
5 „	.798	.032	82.6	74.9	7.7	71.6	.71	82.2	79.5	„	0.4					
6 „	.805	.055	79.7	73.6	6.1	71.0	.76	80.1	79.1	„	0.4					
7 „	.825	.071	78.6	73.4	5.2	71.0	.79	79.0	78.9	„	0.6					
8 „	.851	.110	77.8	72.8	5.0	70.6	.79	78.3	78.7	„	0.4					
9 „	.882	.132	77.6	73.0	4.6	71.0	.81	78.2	78.5	„	0.2					
10 „	.888	.135	77.4	73.0	4.4	71.1	.82	78.0	78.4	„	0.1					
11 „	.887	.137	77.0	72.8	4.2	71.0	.82	77.4	78.3	„	0.1					
Mar 10th-Midnight	.873	.130	76.6	72.5	4.1	70.7	.83	77.2	78.3	SW	0.0					
1 a. m.	.851	.108	76.2	72.4	3.8	70.7	.84	77.0	78.2	„	0.0					
2 „	.840	.095	76.0	72.4	3.6	70.7	.85	76.6	78.0	„	0.0					
3 „	.826	.083	75.6	72.2	3.4	70.7	.85	76.5	77.9	SW b W	0.0					
4 „	.815	.073	75.0	72.0	3.0	70.6	.87	75.7	77.7	„	0.0					
5 „	.823	.048	75.4	73.0	2.4	72.0	.90	76.2	77.6	E	0.2	None.		None.	None.	
6 „	.841	.080	75.3	72.6	2.7	71.4	.88	76.1	77.5	„	0.1		None.			None.
7 „	.855	.085	75.8	73.0	2.8	71.8	.88	76.3	77.5	E b S	0.1					
8 „	.884	.085	78.6	74.6	4.0	73.0	.84	78.8	77.7	„	0.1					
9 „	.892	.089	81.0	75.4	5.6	73.1	.78	80.4	78.2	„	0.1					
10 „	.899	.133	80.6	74.3	6.3	71.6	.75	79.7	78.4	„	0.1					
11 „	.885	.113	80.8	74.5	6.3	71.8	.75	80.4	78.4	SW	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°1 and 79°8.
0	L	"	
2	L	Patches of ≀≀ scattered about, moving NE; dew falling.	
2	L	" " " "	
0	L	Clear; dew falling. [falling.	
1	C	Patches of ≀≀ in E, SE, and S hor.; light ≀ about hor. from W to NE; dew	
4	C	Dense ≀≀ scattered about, moving NE.	
2	C	≀≀ scattered about; mist in hor.	
3	C	Patches of ≀≀ scattered about; mist in hor.	
1	H	Patches of ≀≀ along W hor.; mist in hor.	
0	H	" " "	
0	H	" " "	
0	H	A few patches of clouds in W; mist around hor.	
0	L	A few small patches of clouds in W hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	C	A few patches of ≀≀ around hor., moving ENE.	
1	C	Patches of ≀≀ scattered about hor., moving ENE.	
2	C	" " "	
2	C	≀≀ and light ≀≀ scattered about.	
2	H	≀≀ and light ≀≀ scattered about hor.	
3	H	Light ≀≀ scattered about, moving ENE.	
3	H	Light ≀≀ scattered about, moving NE.	
2	H	Light ≀≀ scattered about hor.; moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°3 and 79°8. The Range of the deduced Dew-Point was 2°2, the smallest in the month.
2	L	" " "	
2	L	Light ≀≀ scattered about.	
7	L	≀≀ scattered throughout.	
2	L	Light ≀≀ scattered around hor.	
2	C	" "	
2	C	Light ≀≀ about hor., from ESE to NW, moving W; ≀ in the remainder of hor.	
3	C	Light ≀≀ scattered about, moving W.	
2	C	Light ≀≀ and ≀ scattered about hor.	
2	H	Light ≀≀ around hor.; ≀ scattered above NE hor.; mist in hor.	
3	H	≀≀ scattered in E hem. and around hor., moving NE; mist in hor.	
5	H	≀≀ scattered about, moving N; mist in hor.	
3	H	" " "	
1	L	Patches of ≀≀ around hor., except in NW and SE, moving NE.	
1	L	" " " "	
0	L	A few patches of ≀≀ in S, SW, W, N, and E hor.	
0	L	≀≀ patches along W hor. and in E hor.; light ≀ above E and SE hor.	
1	C	Patches of ≀≀ along W hor.; light ≀ above E hor.	
1	C	≀≀ along W hor.; ≀ along E hor.	
1	C	" "	
0	C	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°4 and 80°0.
2	L	Light ≀≀ scattered about hor., moving E.	
3	L	" "	
3	L	≀≀ scattered about hor., moving N. "	
1	L	≀≀ scattered around hor.	
7	C	Densely clouded with ≀≀, moving W.	
7	C	"	
5	C	≀≀ scattered about, moving W. "	
3	C	" "	
5	H	≀≀ scattered about, moving NW.	
5	H	" "	
4	H	≀≀ scattered about, moving W.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 10th-Noon.	29.865	29.097	82°3	75°0	7°3	71°7	0.70	81°5	78°6	W	0.2					
1 p. m.	.841	.073	83.6	75.2	8.4	71.7	.68	82.2	78.9	WNW	0.1					
2 „	.830	.062	84.2	75.4	8.8	71.7	.67	83.2	79.2	„	0.1					
3 „	.805	.062	84.4	74.8	9.6	70.7	.65	83.2	79.3	„	0.2					
4 „	.796	.048	84.6	75.0	9.6	70.9	.65	82.9	79.5	W b N	0.1					
5 „	.807	.076	83.1	74.1	9.0	70.2	.66	82.0	79.5	W	0.1					
6 „	.825	.082	79.6	73.4	6.2	70.7	.75	79.4	79.1	„	0.1	None.	None.	None.	None.	None.
7 „	.851	.125	78.1	72.5	5.6	69.9	.77	78.2	78.8	„	0.1					
8 „	.876	.156	77.4	72.1	5.3	69.7	.78	77.7	78.6	„	0.2					
9 „	.891	.188	76.6	71.4	5.2	69.0	.78	77.0	78.5	„	0.1					
10 „	.895	.200	76.0	71.0	5.0	68.6	.79	76.7	78.3	W b N	0.1					
11 „	.893	.197	74.6	70.6	4.0	68.6	.83	75.4	77.9	„	0.0					
Mar 11th-Midnight	.887	.202	73.7	70.0	3.7	68.1	.80	74.7	77.6	W b N	0.0					
1 a. m.	.883	.194	73.4	70.0	3.4	68.3	.85	74.4	77.4	„	0.0					
2 „	.869	.174	72.8	70.0	2.8	68.6	.88	73.6	77.3	„	0.0					
3 „	.866	.194	73.0	69.4	3.6	67.6	.84	73.5	76.9	„	0.0					
4 „	.863	.188	72.8	69.4	3.4	67.7	.85	73.2	76.8	NW	0.0					
5 „	.876	.205	72.6	69.2	3.4	67.5	.85	73.1	76.7	„	0.0					
6 „	.892	.226	72.4	69.0	3.4	67.3	.85	72.9	76.5	NNE	0.1					
7 „	.905	.219	73.6	70.0	3.6	68.2	.84	74.2	76.4	„	0.1					
8 „	.920	.220	76.2	71.2	5.0	68.8	.79	76.3	76.7	N b E	0.2					
9 „	.937	.344	79.0	69.0	10.0	63.8	.61	79.0	77.2	„	0.1					
10 „	.937	.251	81.8	72.5	9.3	68.2	.65	80.3	77.6	NNE	0.1					
11 „	.921	.211	82.6	73.4	9.2	69.3	.66	80.8	77.9	NNW	0.1					
Noon.	.899	.189	82.6	73.4	9.2	69.3	.66	81.4	78.1	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.879	.190	83.1	73.0	10.1	68.3	.63	82.0	78.3	NW b W	0.3					
2 „	.852	.136	84.2	74.0	10.2	69.5	.63	83.2	78.7	WNW	0.3					
3 „	.830	.106	84.0	74.2	9.8	69.9	.64	82.9	78.9	NW b W	0.6					
4 „	.821	.088	83.2	74.2	9.0	70.2	.66	82.0	78.9	„	0.4					
5 „	.827	.112	81.5	73.2	8.3	69.5	.68	80.3	78.8	„	0.4					
6 „	.832	.112	78.7	72.5	6.2	69.7	.75	78.6	78.5	„	0.6					
7 „	.853	.142	77.8	72.0	5.8	69.3	.76	78.0	78.4	NW b N	0.4					
8 „	.885	.124	77.3	73.2	4.1	71.4	.83	77.7	78.4	„	0.2					
9 „	.901	.137	77.0	73.2	3.8	71.5	.84	77.2	78.2	„	0.1					
10 „	.907	.142	76.6	73.1	3.5	71.6	.85	76.9	78.2	„	0.1					
11 „	.907	.141	76.2	73.0	3.2	71.6	.86	76.8	78.0	„	0.1					
Mar 12th-Midnight	.905	.140	75.0	72.6	2.4	71.6	.90	75.7	77.8	NW b N	0.1					
1 a. m.	.898	.119	75.0	73.0	2.0	72.1	.91	75.5	77.7	„	0.0					
2 „	.891	.107	75.2	73.2	2.0	72.3	.91	75.5	77.6	„	0.0					
3 „	.884	.096	74.8	73.2	1.6	72.5	.93	75.2	77.4	„	0.0					
4 „	.884	.096	74.2	73.0	1.2	72.5	.95	74.8	77.3	NE	0.1					
5 „	.888	.135	74.0	72.0	2.0	71.1	.91	74.2	77.1	„	0.1					
6 „	.898	.138	73.4	72.0	1.4	71.4	.94	74.0	77.0	„	0.1					
7 „	.924	.146	74.4	72.8	1.6	72.1	.93	74.9	77.0	NNW	0.1					
8 „	.942	.153	76.8	73.8	3.0	72.6	.87	77.2	77.2	„	0.1					
9 „	.956	.184	79.0	74.0	5.0	71.8	.80	79.3	77.5	„	0.1					
10 „	.952	.142	81.8	75.8	6.0	73.3	.77	81.4	78.1	N b W	0.1					
11 „	.934	.114	83.0	76.4	6.6	73.7	.76	82.0	78.5	NW b N	0.3	None.	None.	None.	None.	None.
Noon.	.907	.089	83.2	76.4	6.8	73.6	.74	82.3	78.8	„	0.6					
1 p. m.	.871	.088	83.6	75.6	8.0	72.3	.70	82.8	79.0	NW	0.6					
2 „	.841	.051	84.4	76.0	8.4	72.6	.69	83.4	79.2	NW b W	0.8					
3 „	.810	.010	84.2	76.2	8.0	73.0	.70	83.4	79.4	NW	0.5					
4 „	.793	28.984	84.0	76.4	7.6	73.3	.71	83.2	79.5	„	0.8					
5 „	.793	29.010	82.5	75.3	7.2	72.3	.73	82.0	79.5	„	0.5					
6 „	.799	.000	80.0	75.0	5.0	73.0	.80	80.1	79.2	NW b N	0.5					
7 „	.825	.026	79.0	74.7	4.3	73.0	.82	79.2	79.0	„	0.6					
8 „	.848	.052	78.6	74.5	4.1	72.8	.83	79.0	79.0	„	0.6					
9 „	.872	.055	78.4	75.0	3.4	73.6	.86	78.9	78.9	„	0.5					
10 „	.886	.069	78.4	75.0	3.4	73.6	.86	78.8	78.8	NNW	0.3					
11 „	.886	.080	78.0	74.6	3.4	73.2	.86	78.2	78.7	„	0.2					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ⌒≤ cirro-strati; ⌒≤ cumulo-strati; and ≤≤ nimbi.	
2	H	≤≤ around hor.; ≤ in W above hor.	
1	L	≤≤ scattered around hor.	
0	L	A few patches of clouds along E hor.	
0	L	" " "	
1	L	Patches of light ≤≤ along E hor.; ≤ along W hor.	
1	C	Light ≤≤ scattered about hor, moving E.	
1	C	" " "	
0	C	A few clouds in W hor.	
0	C	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°4 and 80°0.
0	L	"	
0	L	"	
0	L	A few patches of clouds in E and SE hor.	
0	L	" " "	
0	C	A few patches of clouds from N to SE hor.	
2	C	≤≤ scattered around hor.	
1	C	" "	
1	C	Patches of ≤≤ in E and W.	
2	H	Patches of ≤≤ scattered about hor. from NW to S.	
1	H	Patches of ≤≤ in hor. from N to SW, moving W.	
1	H	Patches of ≤≤ scattered in E, SE, W, NW, and N hor.	
5	H	≤≤ scattered about, moving NW.	
3	L	≤≤ and ≤ scattered about, moving NE.	
5	L	≤≤ scattered about hor. from SW to E; a few light ≤ in W hem.	
6	L	≤≤ scattered about hor. from W to E; and ≤ scattered throughout.	
5	L	≤≤ in hor. from W to E; light ≤ in W hem.	
2	C	≤≤ scattered in N hem., moving E.	
1	C	A few ≤≤ in E hor.; light ≤ scattered in W hem., moving E.	
0	C	A few patches of clouds along W hor.	
0	C	" " "	
0	H	Clear.	
0	H	"	
0	H	"	
0	H	A few ≤ in NE, E, and S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°6 and 79°9. The Range of Standard Barometer on this day was 0·163, the largest during the month.
1	L	≤ scattered around hor.	
3	L	≤ scattered around hor. and in zth.	
6	L	≤ scattered throughout.	
4	L	Light ≤≤ scattered about, moving N.	
2	C	Light ≤ from N to SE hor.; masses of ≤≤ in E of zth.	
4	C	Light ≤≤ and ≤ scattered about; ≤≤ around hor.; ≤≤ moving ENE.	
4	C	≤≤ and ≤≤ around hor., the former moving NE; ≤ scattered about.	
3	C	≤≤ and ≤≤ scattered around hor.; mist in hor.	
3	H	≤≤ and ≤≤ scattered about hor. from NE to SW, moving N; mist in hor.	
3	H	≤≤ and ≤≤ along E hor.; a few patches about zth., moving NW; mist in hor.	
6	H	≤≤ and ≤≤ scattered about, moving E.	
2	H	≤≤ and ≤≤ around hor.; otherwise clear.	
2	L	A few patches of clouds in W, NW, N, NE, and E hor.; ≤ above E and SE hor.	
1	L	Patches of clouds about hor. from NW to SE.	
0	L	A few patches of clouds along E hor.	
0	L	" " "	
0	C	⌒≤ along E hor.; otherwise clear.	
0	C	⌒≤ along E hor.; ≤ above W hor.	
0	C	Clear, except in hor.	
0	C	" "	
0	H	" "	
0	H	A few clouds in E, SE, and S above hor.	
0	H	≤≤ and ≤ scattered about, moving W.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 13th-Midnight	29.880	29.082	78°0	74°4	3°6	72°9	0.85	78°2	78°7	NNW	0.1					
1 a. m.	.848	.045	78.2	74.6	3.6	73.1	.85	78.6	78.6	„	0.2					
2 „	.845	28.985	78.0	76.0	2.0	75.2	.92	78.2	78.6	NW b N	0.5					
3 „	.837	29.014	77.8	75.0	2.8	73.8	.88	78.2	78.6	„	0.6					
4 „	.817	.012	77.4	74.4	3.0	73.2	.87	77.8	78.5	„	0.1					
5 „	.840	.050	77.4	74.0	3.4	72.6	.86	77.8	78.4	NNW	1.8					
6 „	.886	.188	76.4	71.2	5.2	68.9	.78	77.2	78.2	E b S	0.2					
7 „	.911	.188	75.7	71.3	4.4	69.8	.85	76.6	78.0	„	0.0					
8 „	.940	.201	78.6	73.0	5.6	70.5	.77	79.0	78.3	„	0.0					
9 „	.957	.255	83.0	73.3	9.7	68.9	.64	81.9	78.8	„	0.0					
10 „	.956	.257	84.6	71.0	13.6	64.1	.52	83.2	79.1	„	0.0					
11 „	.936	.175	87.0	76.0	11.0	71.4	.61	84.7	79.7	N b W	0.2	None.	+	1	None.	Above 10m.
Noon.	.910	.148	86.2	75.8	10.4	71.4	.63	84.7	79.8	NNW	0.2		+	1		Above 10m.
1 p. m.	.877	.094	86.4	76.4	10.0	72.3	.64	84.8	80.1	NW	0.3					
2 „	.848	.074	85.8	76.0	9.8	71.9	.64	84.8	80.2	NW b W	0.4					
3 „	.826	.019	85.6	76.8	8.8	73.2	.68	84.7	80.3	„	0.5					
4 „	.824	.023	84.8	76.4	8.4	73.0	.69	83.4	80.4	NW b W	0.3					
5 „	.821	.024	84.1	76.1	8.0	72.9	.70	83.2	80.5	NW	0.4					
6 „	.829	.048	81.6	75.0	6.6	72.2	.73	81.7	80.3	„	0.3					
7 „	.849	.072	80.6	74.6	6.0	72.0	.76	80.8	80.0	NW b N	0.5					
8 „	.879	.087	80.6	75.0	5.6	72.7	.74	80.8	80.0	„	0.2					
9 „	.893	.096	80.2	75.0	5.2	72.9	.79	80.2	79.9	„	0.1					
10 „	.899	.082	79.0	75.2	3.8	73.6	.84	79.2	79.7	„	0.1					
11 „	.888	.045	79.5	76.0	3.5	74.6	.86	79.5	79.7	„	0.2					
Mar 14th-Midnight	.875	.094	78.8	74.2	4.6	72.2	.81	79.0	79.7	NW b N	0.6					
1 a. m.	.865	.039	78.6	75.3	3.3	74.0	.86	79.0	79.5	„	0.3					
2 „	.862	.035	78.2	75.2	3.0	74.0	.87	78.8	79.4	NNW	0.2					
3 „	.861	.141	77.0	72.0	5.0	69.7	.79	77.6	79.1	„	0.1					
4 „	.865	.191	76.4	70.4	6.0	67.7	.75	77.0	78.8	„	0.2					
5 „	.889	.167	77.2	72.1	5.1	69.8	.79	78.1	78.7	„	0.1					
6 „	.901	.217	77.0	71.0	6.0	68.1	.75	77.7	78.6	NE	0.1					
7 „	.912	.207	78.4	72.0	6.4	69.0	.74	78.8	78.6	NE b N	0.1					
8 „	.937	.309	82.0	71.0	11.0	65.5	.59	82.2	79.1	N	0.1					
9 „	.948	.275	84.5	73.0	11.5	67.6	.59	84.0	79.5	„	0.1					
10 „	.948	.216	86.1	75.0	11.1	70.2	.60	84.2	80.0	N b W	0.1		+	1		Above 10m.
11 „	.928	.128	87.0	77.0	10.0	73.0	.64	85.4	80.2	„	0.2	None.			None.	
Noon.	.897	.092	86.5	77.0	9.5	73.2	.66	84.9	80.5	NNW	0.2					
1 p. m.	.865	.102	86.8	76.0	10.8	71.5	.62	85.9	80.7	„	0.4					
2 „	.825	.064	88.4	76.4	12.0	71.4	.58	87.6	81.0	„	0.5					
3 „	.803	.055	88.2	76.0	12.2	70.9	.58	87.6	81.3	„	0.8					
4 „	.796	.031	88.0	76.4	11.6	71.6	.60	87.2	81.4	„	0.5					
5 „	.793	.053	85.4	75.0	10.4	70.5	.62	84.6	81.3	„	0.6					
6 „	.808	.057	83.0	74.6	8.4	71.0	.68	82.9	89.0	NW b N	0.5					
7 „	.825	.075	82.4	74.4	8.0	71.0	.69	82.6	89.7	NNW	0.4					
8 „	.853	.168	82.2	72.6	9.6	68.1	.64	82.6	80.6	„	0.8					
9 „	.872	.094	81.9	75.0	6.9	67.8	.73	82.1	80.5	„	0.2					
10 „	.892	.220	80.4	71.7	8.7	67.2	.66	80.9	80.5	„	0.0					
11 „	.879	.093	81.2	75.0	6.2	72.4	.76	81.3	80.5	NW b N	0.4					
Mar 16th-Midnight	.861	.114	80.9	73.9	7.0	70.8	.73	80.7	80.1	NW b N	0.3					
1 a. m.	.844	.100	80.2	73.6	6.6	70.7	.74	80.4	80.1	„	0.3					
2 „	.837	.191	79.0	70.6	8.4	66.5	.67	79.4	79.9	„	0.3					
3 „	.832	.132	78.8	72.0	6.8	68.8	.73	79.2	79.7	NNW	0.2					
4 „	.829	.166	77.6	70.6	7.0	67.2	.72	78.0	79.5	„	0.1					
5 „	.842	.068	76.8	73.6	3.2	71.9	.86	77.8	79.4	„	0.0					
6 „	.858	.328	75.0	65.7	9.3	60.4	.62	76.2	78.9	„	0.0	None.				
7 „	.877	.210	77.6	70.7	6.9	67.3	.72	78.3	78.8	„	0.0					
8 „	.890	.283	80.8	70.0	10.8	64.5	.59	80.5	79.3	„	0.0		+	6	5	0.32
9 „	.905	.264	84.2	72.0	12.2	66.1	.56	82.8	79.7	„	0.0		+	1		Above 10m.
10 „	.902	.191	86.6	74.6	12.0	69.3	.58	84.6	80.2	„	0.0		+	3		Above 10m.
11 „	.891	.023	87.9	78.9	9.0	75.5	.68	85.7	80.5	„	0.1		+	1		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ≀∪≀ nimbi.	
3	H	≀≀ scattered about, moving N; drops of rain between 0h. 30m., and 0h. 40m.	Mean daily Temperatur of Ground 20 and 60 inches bow its surface 77°7 and 79°9.
3	L	≀≀ scattered about, moving NE.	
3	L	" " [at 3h. 38m.	
2	L	≀≀ scattered about; lightning and thunder in SE, at 3h. 31m.; drops of rain	
8	L	Overcast with ≀≀, moving E; drops of rain at 4h. 35m.; fresh breezes at 4h.30m.	
8	C	Overcast; fresh breezes of wind accompanied with drops of rain till 5h. 4m.	
6	C	≀≀ and ≀≀ scattered throughout, both moving N.	
6	C	Clouded as before; mist in hor.	
4	C	" "	
4	H	" "	
4	H	" "	
1	H	∪≀ along E hor.; ≀≀ in SW and zth., moving N; light mist in hor.	
1	H	∪≀ in SE and S hor.; patches of ≀≀ about zth., moving N; light mist in hor.	
2	L	≀ and ≀≀ scattered about.	
2	L	≀ in W; ≀≀ scattered about.	
1	L	" "	
1	L	≀≀ around hor., except in S and NW.	
1	C	≀≀ scattered here and there in small patches.	
2	C	≀≀ along E hor. and about zth.	
4	C	Light ≀ around hor.; ≀≀ scattered about zth., moving E.	
3	C	≀≀ scattered about, moving E.	
3	H	" "	
3	H	Patches of ≀≀ around hor.	
3	H	" "	
3	H	≀≀ scattered about hor., moving E.	Mean daily Temperatur of Ground 20 and 60 inches belw its surface 77°7 and 79°9.
2	L	" "	
2	L	≀≀ scattered around hor.	
2	L	" "	
2	L	" "	
4	C	≀≀ scattered around hor. and in zth.	
3	C	Patches of ≀≀ scattered about.	
3	C	" "	
2	C	Patches of ≀≀ around hor., and in NE and NW of zth.	
1	H	Patches of ≀≀ in E, SE, and S, and in NW hor.; mist in hor.	
0	H	A few patches of clouds in NW and W hor.; mist in hor.	
0	H	A few patches of clouds in NE, E, S, and W hor.; mist in hor.	
4	H	∩≀ in E hor.; ≀≀ scattered about, moving NE.	
4	L	∩≀ along E hor.; ≀≀ and ≀ scattered about, moving E.	
5	L	∩≀ along E hor.; ≀≀ scattered about, moving E; a few ≀ in SE and SW.	
3	L	∩≀ along E hor.; ≀ scattered about.	
4	L	" "	
4	C	" "	
6	C	≀≀ in W above hor.; ≀ scattered throughout.	
4	C	≀ scattered about.	
4	C	≀ scattered around hor.	
0	C	A few ≀ in hor., otherwise clear.	
2	C	≀ scattered around hor; and in E.	
6	C	≀ around hor.; fleecy clouds scattered throughout.	
0	H	Clear, except in hor.	Mean daily Temperatur of Ground 20 and 60 inches belw its surface 77°9 and 79°9. The Temperature of Evaporation at 6 A. M. was the lowest, at about 6°3 lower than the Normal Mean; and its daily Range was 13°9, the largest in the month.
0	L	" "	
1	L	A few patches of ≀≀ around hor.	
2	L	Patches of ≀≀ scattered about hor.	
2	L	" "	
3	C	≀≀ scattered around hor. and about zth.	
4	C	≀ and ≀≀ scattered throughout, moving E.	
3	C	Patches of ≀≀ in W; ≀ scattered throughout; light mist in hor.	
2	C	≀ scattered about hor.; ≀≀ in E, SE, and S; mist in hor.	
1	H	≀ and ≀≀ scattered in E hem. and in SW, and N hor.; mist in hor.	
1	H	≀ and ≀≀ in E hem.; a few ≀ in SW and W hor.; mist in hor.	
1	H	≀ and ≀≀ in E, SE, and S, the latter moving E; a few leniar ≀ in W hor.	

Bombay Civil Time. 1858	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 16th-Noon.	29.864	29.023	88°4	78°4	10°0	74°5	0.65	86°2	81°0	NNW	0.1		+	1		Above 10m.
1 p. m.	.828	28.949	89.6	79.6	10.0	75.9	.65	87.6	81.4	NW	0.1					
2 "	.801	.980	86.6	77.4	9.2	73.8	.67	85.6	81.4	NW b N	0.8					
3 "	.781	.980	86.2	76.8	9.4	73.0	.66	85.5	81.5	"	0.6					
4 "	.774	.965	84.0	76.4	7.6	73.3	.71	83.7	81.3	"	0.5					
5 "	.774	.981	82.7	75.6	7.1	72.7	.73	83.0	81.1	NNW	0.7					
6 "	.779	.991	81.0	75.0	6.0	72.5	.76	81.3	81.0	"	0.5	None.			None.	
7 "	.796	29.037	80.2	74.0	6.2	71.3	.75	80.7	80.7	"	0.4					
8 "	.827	.066	80.0	74.0	6.0	71.4	.76	80.4	80.6	"	0.4					
9 "	.853	.059	79.4	74.7	4.7	72.8	.81	80.0	80.5	"	0.1					
10 "	.855	.045	79.0	75.0	4.0	73.3	.84	79.4	80.3	NW b N	0.1					
11 "	.848	.054	78.8	74.5	4.3	72.8	.82	79.2	80.3	"	0.2					
Mar 17th-Midnight	.854	.052	78.7	74.7	4.0	73.0	.84	79.2	80.2	NW b N	0.2					
1 a. m.	.858	.037	78.0	75.0	3.0	73.8	.87	79.0	79.9	"	0.1					
2 "	.844	.021	77.8	75.0	2.8	73.8	.88	78.6	79.8	SSE	0.0					
3 "	.827	.043	76.6	73.6	3.0	72.3	.87	77.8	79.6	S b W	0.0					
4 "	.830	.025	77.4	74.4	3.0	73.2	.87	77.9	79.6	NW	0.1					
5 "	.841	.046	76.9	74.0	2.9	72.8	.88	77.6	79.5	NNW	0.1					
6 "	.864	.047	76.7	74.5	2.2	73.6	.91	77.4	79.3	"	0.1					
7 "	.882	.015	77.4	76.0	1.4	75.5	.94	78.2	79.3	NW b N	0.0					
8 "	.891	.006	79.3	77.0	2.3	76.1	.90	79.9	79.5	W	0.0					
9 "	.892	.067	81.6	76.8	4.8	73.9	.81	81.2	79.9	SW b W	0.0					
10 "	.893	.031	83.2	77.5	5.7	75.3	.78	82.2	80.2	W	0.1	None.	None.	None.	None.	None.
11 "	.902	.036	84.6	78.0	6.6	75.4	.75	83.7	80.5	"	0.1					
Noon.	.891	.017	86.2	78.6	7.6	75.7	.72	84.7	80.8	"	0.2					
1 p.m.	.871	.063	87.0	77.2	9.8	73.3	.65	85.6	81.0	WNW	0.2					
2 "	.849	28.969	87.2	79.0	8.2	75.9	.70	85.6	81.3	"	0.2					
3 "	.832	29.000	86.2	77.6	8.6	74.2	.69	85.2	81.4	"	0.3					
4 "	.825	.012	84.4	76.6	7.8	73.5	.71	83.5	81.3	"	0.2					
5 "	.823	.007	82.0	76.0	6.0	73.6	.77	82.1	81.0	"	0.1					
6 "	.835	.032	80.4	75.2	5.2	73.1	.79	80.5	80.8	NW b W	0.1					
7 "	.853	.047	79.4	75.0	4.4	73.2	.82	80.1	80.5	"	0.0					
8 "	.857	.059	78.4	74.5	3.9	72.9	.84	78.9	80.4	"	0.0					
9 "	.875	.090	77.2	73.8	3.4	72.4	.86	78.0	80.0	"	0.1					
10 "	.885	.064	77.0	74.7	2.3	73.8	.90	77.7	79.9	WNW	0.1					
11 "	.876	.084	75.9	73.6	2.3	72.7	.90	76.7	79.7	"	0.1					
Mar 18th-Midnight	.878	.085	75.4	73.5	1.9	72.7	.92	76.4	79.4	WNW	0.1					
1 a.m.	.868	.059	75.6	74.0	1.6	73.3	.93	76.8	79.2	"	0.0					
2 "	.857	.048	75.0	73.8	1.2	73.3	.95	75.6	79.1	"	0.0					
3 "	.855	.064	74.6	73.2	1.4	72.6	.94	75.6	78.8	"	0.0					
4 "	.864	.074	74.0	73.0	1.0	72.6	.96	75.4	78.7	"	0.0					
5 "	.875	.062	75.3	74.0	1.3	73.5	.94	76.1	78.7	SE b E	0.1					
6 "	.892	.099	74.4	73.2	1.2	72.7	.95	75.6	78.5	"	0.0					
7 "	.908	.136	75.6	73.0	2.6	71.8	.89	76.2	78.4	ESE	0.2					
8 "	.930	.141	78.1	74.2	3.9	72.6	.84	78.5	78.6	"	0.1					
9 "	.951	.154	80.2	75.0	5.2	72.9	.79	80.0	79.1	"	0.1					
10 "	.956	.159	81.6	75.4	6.2	72.9	.76	81.6	79.3	W b S	0.1					
11 "	.947	.131	82.0	76.0	6.0	73.6	.77	81.9	79.6	"	0.1					
Noon.	.917	.105	82.4	76.0	6.4	73.4	.75	82.2	79.8	"	0.1	None.				
1 p.m.	.903	.085	83.2	76.4	6.8	73.6	.74	82.7	80.0	NW	0.2					
2 "	.871	.033	82.8	76.8	6.0	74.4	.77	82.8	80.1	NW b N	0.1					
3 "	.844	.104	84.0	74.6	9.4	70.5	.65	84.2	80.3	NE b E	0.1					
4 "	.840	.011	84.4	77.0	7.4	74.1	.72	83.2	80.4	NW	0.2					
5 "	.837	.014	81.4	76.0	5.4	73.8	.78	81.4	80.4	NW b N	0.2					
6 "	.848	.012	80.2	76.0	4.2	74.3	.83	80.3	80.2	"	0.2					
7 "	.862	.053	79.1	75.0	4.1	73.3	.83	79.8	80.0	NNW	0.2					
8 "	.881	.048	78.7	75.5	3.2	74.2	.87	79.4	79.9	"	0.4					
9 "	.887	.087	78.2	74.5	3.7	73.0	.85	78.8	79.8	N b W	0.1					
10 "	.902	.099	77.6	74.4	3.2	73.1	.87	78.2	79.6	N	0.1					
11 "	.908	.058	78.2	75.8	2.4	74.8	.90	78.7	79.6	NW b N	0.1		—	Out of Sc.	50	0.01

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒⌇ cumuli; ⌣⌇ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌇ nimbi.	
1	H	⌇ and ⌇⌇ in E, SE, and S, the latter moving E; a few leniar ⌇ in W hor.	
2	L	⌒⌇ and ⌇⌇ along E hor., the latter moving E; ⌇ in W, NW, and N hor.	
4	L	⌒⌇ along E hor.; ⌇⌇ in E hem., moving NE; ⌇ in W, NW, and N hor.	
5	L	⌒⌇ along E; ⌇⌇ scattered about, moving NE; ⌇ above W and NW hor.	
6	L	⌒⌇ along E hor.; ⌇ and ⌇⌇ scattered about, the latter moving NE.	
7	C	" " "	
8	C	" " "	
3	C	⌇⌇ in W above hor.; ⌇ scattered throughout; continuous lightning in E hor.	
1	C	Light ⌇ scattered in W hor.; continuous lightning in E.	
1	H	A few clouds in hor.; lightning in E in every 3m.	
1	H	A few clouds in hor.; lightning in E in every 5m.	
1	H	A few clouds in hor.; lightning in E at intervals of more than 5m.	
1	H	A few clouds along E hor.; lightning in SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°3 and 80°0. The Range of Barometer on this day was 0·079, the lowest in the month.
2	L	⌇⌇ scattered around hor., moving N.	
2	L	" " "	
6	L	⌇⌇ scattered throughout, moving N.	
4	L	⌇⌇ scattered about hor., moving N.	
3	C	" " "	
6	C	" " "	
8	C	Overcast with ⌇⌇ like clouds, moving N.	
8	C	" " "	
8	H	Overcast with ⌇⌇; ⌇ and a few masses of ⌣⌇.	
6	H	⌇ and ⌇⌇ scattered throughout, the latter moving N.	
4	H	" " "	
5	H	" " "	
4	L	⌇⌇ scattered about, moving NNE.	
5	L	A few ⌇⌇ in S; otherwise clouded with ⌇.	
4	L	⌇ scattered throughout; patches of ⌇⌇ in S and SW, moving NE.	
4	L	Electrical clouds along E hor.; patches of ⌇⌇ along W hor., moving N; ⌇	
7	C	Nearly overcast with ⌇⌇, moving N. [scattered about.	
7	C	Densely clouded; lightning in E hor. observed at 6h. 50m.	
8	C	Overcast; continuous lightning in E.	
3	C	⌇⌇ scattered about; lightning in E in every 5m.	
2	H	⌇⌇ scattered about hor., except in S; lightning in E in every 8m.	
1	H	Patches of ⌇⌇ about E hor.; ⌇ about W hor.; lightning in NE in every 10m.	
1	H	⌇⌇ and light ⌇ scattered about, moving E; lightning in NE at intervals of [more than 10m.	
2	H	⌇ and patches of ⌇⌇ scattered about hor.; lightning in NE at intervals of	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°7 and 80°0.
1	L	⌇ scattered around hor.; dew falling. [more than 10m.	
1	L	" " "	
2	L	⌇⌇ along E hor.; ⌇ scattered around hor.; dew falling.	
2	L	⌇⌇ along E hor.; moving N; ⌇ scattered around hor.; dew falling.	
4	C	" " "	
7	C	Nearly overcast with ⌇⌇, moving N; dew falling.	
8	C	Overcast with ⌇⌇, moving NW.	
7	C	Densely clouded with ⌇⌇, moving N.	
7	H	Clouded as before; mist and fog in hor.	
7	H	" "	
8	H	Overcast with ⌇⌇ and ⌇⌇, both moving N; mist around hor.	
8	H	⌣⌇ around hor.; ⌇⌇ and ⌇⌇ scattered throughout.	
8	L	Overcast with ⌇⌇, moving NE; ⌣⌇ around hor.	
8	L	" " "	
7	L	Densely clouded with ⌇⌇ and ⌇⌇, moving N.	
6	L	Clouded as before; a few ⌇ in zth.	
8	C	Overcast with ⌇⌇ and ⌇⌇, both moving N.	
8	C	" " "	
8	C	Overcast; a few stars dimly visible.	
6	C	⌇⌇ scattered throughout, moving N.	
5	H	" " "	
4	H	" " "	
4	H	⌣⌇ along NE hor.; ⌇⌇ scattered about, moving N.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Readings of			Interval of Time in recovering the same degree of tension after discharge.
													Sign of Electricity + or −	Straws of Volta 1.	Straws of Volta 2.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 19th–Midnight	29.895	29.033	77°8	76°0	1°8	75°3	0.92	78°2	79°5	NNW	0·2		—	Out of Sc.	48	0.01
1 a. m.	.888	.103	77.2	73.8	3.4	72.4	.86	77.8	79.3	N b W	0·2		—	Out of Sc.	75	0.03
2 „	.868	.118	77.6	73.0	4.6	71.0	.81	78.2	79.2	„	0.5					
3 „	.859	.079	77.0	73.6	3.4	72.2	.86	77.8	79.2	N b E	0.3					
4 „	.873	.208	76.2	70.2	6.0	67.2	.75	77.0	78.9	„	0.1					
5 „	.884	.109	75.4	73.0	2.4	72.0	.90	76.2	78.6	„	0.1					
6 „	.899	.074	75.6	74.4	1.2	73.9	.95	76.2	78.5	„	0·1					
7 „	.922	.260	76.1	70.1	6.0	67.1	.75	76.3	78.4	N b W	0·0					
8 „	.945	.279	80.3	71.5	8.8	67.3	.66	80.3	78.8	N b E	0.0					
9 „	.971	.296	82.8	72.5	10.3	67.7	.62	82.4	79.2	N b W	0·1					
10 „	.978	.310	85.0	73.0	12.0	67.4	.57	83.2	79.7	„	0·0	Immeasurable.	+	1		Above 10m.
11 „	.957	.225	85.4	74.8	10.6	70.2	.62	84.0	80.1	NW b N	0.1		+	1		Above 10m.
Noon.	.925	.194	86.2	75.0	11.2	70.2	.60	84.7	80.3	„	0·2		+	1		Above 10m.
1 p. m.	.888	.034	86.2	78.2	8.0	75.1	.71	84.8	80.5	„	0.4					
2 „	.858	28.990	86.8	78.6	8.2	75.5	.70	85.6	80.8	„	0·4					
3 „	.833	29.012	86.6	77.4	9.2	73.8	.67	85.5	81.0	„	0·4					
4 „	.831	28.993	87.2	78.0	9.2	74.4	.67	86.2	81.2	„	0·3					
5 „	.829	29.059	85.8	75.9	9.9	71.8	.64	85.8	81.3	„	0.5					
6 „	.838	.123	82.9	73.6	9.3	69.5	.65	82.8	81.0	NNW	0.5					
7 „	.859	.194	82.0	72.0	10.0	67.2	.62	82.4	80.9	„	0.6					
8 „	.877	.257	82.4	70.9	11.5	65.1	.57	82.6	80.8	„	0.5					
9 „	.886	.241	82.2	71.5	10.7	66.3	.60	82.2	80.7	NW b N	0.5					
10 „	.905	.254	80.0	71.0	9.0	66.6	.65	80.2	80.5	NNE	0.1		+	1		Above 10m.
11 „	.903	.272	81.8	71.0	10.8	65.6	.60	81.0	80.4	N b E	0.1		+	1		Above 10m.
Mar 20th–Midnight	.899	.255	80.0	70.8	9.2	66.3	.64	80.2	80.3	NW b N	0.1		+	1		Above 10m.
1 a. m.	.891	.004	79.8	77.2	2.6	76.2	.89	79.6	80.2	„	0.2					
2 „	.887	.084	77.6	74.4	3.2	73.1	.87	77.4	79.8	N b W	0.1					
3 „	.881	.156	77.2	72.2	5.0	69.9	.79	77.7	79.7	„	0.1					
4 „	.868	.160	78.1	72.0	6.1	69.2	.75	78.7	79.6	NNW	0.3					
5 „	.899	.200	77.6	71.6	6.0	68.8	.76	78.1	79.5	N	0.2					
6 „	.928	.197	76.0	72.0	4.0	70.2	.83	76.2	79.2	NNE	0.1					
7 „	.939	.354	76.7	68.0	8.7	63.3	.65	77.3	78.9	NNW	0.1					
8 „	.958	.422	81.2	68.0	13.2	60.7	.51	81.2	79.3	N b E	0.0					
9 „	.970	.423	83.2	69.0	14.2	61.3	.49	83.2	79.8	NE b N	0.1					
10 „	.968	.320	86.2	72.8	13.4	66.5	.53	85.6	80.2	NW	0.2					
11 „	.947	.217	88.0	75.5	12.5	70.1	.57	87.0	80.5	NNW	0.2	None.			None.	
Noon.	.918	.154	89.2	76.7	12.5	71.5	.57	87.4	81.1	„	0.3					
1 p. m.	.888	.076	88.8	77.8	11.0	73.4	.62	87.5	81.4	„	0.4					
2 „	.863	.038	88.4	78.0	10.4	73.9	.64	87.4	81.7	NW b N	0.4					
3 „	.845	.006	88.6	78.4	10.2	74.4	.64	87.6	81.9	„	0.5					
4 „	.844	.059	88.4	77.0	11.4	72.4	.60	87.5	82.0	„	0.4					
5 „	.841	.050	86.4	76.6	9.8	72.6	.65	85.6	82.0	NNW	0.4					
6 „	.855	.148	83.6	73.6	10.0	69.1	.63	83.7	81.6	„	0.5					
7 „	.872	.163	83.0	73.5	9.5	69.2	.64	83.4	81.5	„	0.4					
8 „	.881	.173	82.8	73.4	9.4	69.2	.65	83.0	81.4	N b W	0.3					
9 „	.890	.247	82.0	71.4	10.6	66.2	.60	82.6	81.3	„	0.2					
10 „	.899	.365	80.8	67.8	13.0	60.6	.52	81.8	80.9	„	0.1					
11 „	.895	.366	80.0	67.4	12.6	60.3	.53	80.7	80.7	N	0.1					
Mar 22nd–Midnight	.856	.132	78.3	72.5	5.8	69.9	.76	79.0	80.5	N b E	0.1					
1 a. m.	.840	.164	78.6	74.0	4.6	72.0	.81	79.5	80.5	„	0.2					
2 „	.826	.008	79.0	75.2	3.8	73.6	.84	79.4	80.4	NNE	0.1					
3 „	.825	.061	77.0	73.2	3.8	71.5	.84	77.5	80.2	„	0.0					
4 „	.827	.210	75.0	68.4	6.6	65.0	.72	76.0	79.7	„	0.0					
5 „	.842	.106	76.2	72.2	4.0	70.4	.83	76.8	79.5	„	0.0	None.			None.	
6 „	.863	.173	75.1	70.6	4.5	68.4	.81	76.1	79.3	„	0.0					
7 „	.883	.324	75.7	66.9	8.8	62.0	.64	76.6	79.0	„	0.0					
8 „	.902	.142	81.5	74.4	7.1	71.4	.73	81.2	79.7	ENE	0.1		+	2		2.05
9 „	.908	.212	83.2	73.2	10.0	68.6	.63	82.8	80.1	E b S	0.1		+	1		Above 10m.
10 „	.907	.203	86.6	74.4	12.2	69.0	.57	85.4	80.5	„	0.1					
11 „	.890	.177	87.2	74.8	12.4	69.4	.57	85.7	80.8	N	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ∿⌣i nimbi.	
4	H	A bank of clouds along E hor.; ∿i scattered about, moving N; lightning in S,	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 80°0. Maximum Tension of Electricity by Henly's Apparatus 9. Maxmim Length of Spark by Ronald's Measure 0.10. The height of Standard Barometer at 10 A. M. was the greatest in the month, and about 0·070 greater than the Normal Mean.
8	L	Overcast with ∿⌣i, moving N, [thunder in SSW every 10m.; drops of rain at 0h.40m.	
8	L	Overcast with ∿⌣i, moving NE; a few stars visible in SE and S.	
8	L	Clouded as before; a few stars visible in SE and W.	
8	L	Overcast; a few stars visible in E.	
5	C	Light ∿⌣i scattered about.	
7	C	Densely clouded with ∿⌣i.	
5	C	∿⌣i around hor.; ∿i scattered about, both moving N; light mist in hor.	
3	C	∿i scattered about; light mist around hor.	
6	H	⌣i around hor.; ∿i scattered throughout; mist in hor.	
6	H	" " "	
6	H	⌣i around hor.; ∿i and ∿⌣i scattered throughout, both moving N.	
2	H	Patches of ∿i and ∿⌣i scattered about, moving N.	
1	L	∿i and ⌐i scattered in S hem., moving NE.	
1	L	" " "	
1	L	⌣i about hor. from NE to SE.	
1	L	" "	
1	C	A few patches of ∿i in N; ⌣i scattered along E hor.	
1	C	A few patches of ∿i about zth.; ⌣i along E hor.	
1	C	A few patches of ∿i in E; ⌣i along E hor.	
2	C	" " "	
2	H	⌐i in W and N; patches of ∿i scattered about zth., moving W.	
0	H	Clear, except in hor.	
0	H	" "	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 80°0.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	A few patches of clouds in E hor.	
1	C	∿i scattered along E hor.; mist around hor.	
1	C	" " "	
0	C	" " "	
0	H	Mist and fog in hor.	
0	H	" "	
0	H	" "	
0	H	Mist around hor.	
0	L	A few patches of clouds in E hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
1	L	Patches of ∿i scattered along E hor. and a few in W, moving N.	
2	L	Patches of ∿i scattered about, moving NW.	
3	L	" " "	
2	L	Patches of ∿i scattered about, moving NNW.	
1	L	" " "	
1	L	Patches of ∿i in E about hor.	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°2 and 80°1. The Temperature of External and Free Air at 3 P. M. was the greatest in the month, and about 3°4 greater than the Normal Mean for that hour.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
1	C	∿i around hor., except in W; mist in hor.	
0	C	A few patches of clouds in N and S hor.; mist and fog in hor.	
0	C	Fog and mist in hor.	
0	L	" "	
0	L	Mist around hor.	
0	L	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 22nd–Noon.	29.864	29.042	88°6	78°0	10°6	73°8	0.63	87°2	81°4	N	0.4		+	2		Above 10m.
1 p. m.	.824	28.983	89.6	78.7	10.9	74.5	.62	88.2	81.8	NW	0.4		+	1		Above 10m.
2 „	.808	29.002	90.1	78.0	12.1	73.2	.59	88.7	82.2	NW b N	0.6		+	1		Above 10m.
3 „	.787	28.999	90.2	77.6	12.6	72.5	.57	89.0	82.5	NW	0.7		+	1		Above 10m.
4 „	.781	29.007	88.6	76.8	11.8	71.9	.59	88.0	82.5	„	0.8		+	1		Above 10m.
5 „	.774	28.980	86.8	76.8	10.0	72.8	.63	86.2	82.5	NW b N	0.7		+	1		Above 10m.
6 „	.788	29.003	83.4	75.6	7.8	72.4	.70	83.4	82.0	„	0.7	None.	+	1	None.	Above 10m.
7 „	.800	.089	82.5	73.4	9.1	69.3	.66	83.1	81.8	NNW	0.8		+	1		Above 10m.
8 „	.812	.062	82.4	74.4	8.0	71.0	.69	82.8	81.7	„	0.6		+	1		Above 10m.
9 „	.831	.100	81.7	73.7	8.0	70.2	.69	82.0	81.5	N b W	0.3		+	1		Above 10m.
10 „	.838	.330	80.7	67.0	13.7	59.1	.50	81.4	81.3	N	0.1		+	1		Above 10m.
11 „	.835	.177	81.0	71.5	9.5	66.9	.64	80.5	81.2	N b E	0.1					
Mar 23rd–Midnight	.835	.095	80.2	73.5	6.7	70.5	.73	80.7	81.0	NW b N	0.1		+	1		Above 10m.
1 a. m.	.818	.042	80.0	74.4	5.6	72.0	.78	80.6	81.0	NNW	0.3					
2 „	.795	.020	79.4	74.2	5.2	72.0	.79	79.9	80.8	NW b N	0.4					
3 „	.790	.015	79.4	74.2	5.2	72.0	.79	79.8	80.7	„	0.4					
4 „	.789	28.973	79.2	75.2	4.0	73.6	.84	79.5	80.6	NNW	0.3					
5 „	.796	.978	78.3	75.0	3.3	73.7	.86	79.1	80.4	„	0.2					
6 „	.817	29.048	77.6	73.5	4.1	71.7	.83	78.2	80.2	N b W	0.2					
7 „	.833	.104	79.7	72.5	5.4	70.1	.78	78.6	80.0	„	0.2					
8 „	.855	.174	80.5	72.0	8.5	68.0	.67	80.9	80.3	„	0.1					
9 „	.864	.224	83.6	71.8	11.8	66.0	.57	83.2	80.6	NE b N	0.1		+	1		Above 10m.
10 „	.860	.225	85.4	72.2	13.2	65.8	.54	84.4	80.9	NE b E	0.1					
11 „	.842	.161	89.0	74.5	14.5	68.0	.51	87.0	81.4	NW b N	0.1	None.			None.	
Noon.	.816	.000	89.2	78.0	11.2	73.7	.61	88.2	81.8	„	0.5		+	1		Above 10m.
1 p. m.	.784	28.947	89.6	78.6	11.0	74.4	.62	88.4	82.2	„	0.3		+	1		Above 10m.
2 „	.760	.915	89.6	78.8	10.8	74.7	.63	88.5	82.5	„	0.8		+	1		Above 10m.
3 „	.736	.908	88.8	78.2	10.6	74.0	.63	88.0	82.6	NW	0.8		+	1		Above 10m.
4 „	.736	.922	88.6	77.8	10.8	73.5	.62	88.2	82.7	„	0.8		+	1		Above 10m.
5 „	.737	.908	86.2	77.5	8.7	74.1	.68	86.1	82.6	„	0.5		+	1		Above 10m.
6 „	.750	.922	83.4	76.7	6.7	74.0	.74	83.6	82.4	„	0.6		+	1		Above 10m.
7 „	.763	.933	82.0	76.5	5.5	74.3	.78	82.7	82.0	„	0.5					
8 „	.803	.961	81.4	76.5	4.9	74.6	.80	82.1	82.0	„	0.1					
9 „	.825	29.020	80.2	75.2	5.0	73.2	.80	80.9	81.7	NW b N	0.1		+	1		Above 10m.
10 „	.825	28.983	79.6	76.0	3.6	74.6	.85	80.2	81.5	NNW	0.1					
11 „	.821	.998	80.0	75.6	4.4	73.8	.82	80.3	81.5	„	0.1					
Mar 24th–Midnight	.816	.973	78.8	75.8	3.0	74.6	.88	79.8	81.3	NW b N	0.1		+	1		Above 10m.
1 a. m.	.804	.981	79.2	75.4	3.8	73.9	.84	80.2	81.1	„	0.2					
2 „	.790	.980	79.0	75.0	4.0	73.3	.84	79.6	81.0	„	0.1					
3 „	.791	.971	78.8	75.2	3.6	73.7	.85	79.4	80.8	„	0·0					
4 „	.792	.998	77.0	74.0	3.0	72.8	.87	77.7	80.5	NNW	0.0					
5 „	.807	29.010	76.6	74.0	2.6	72.9	.89	77.5	80.3	„	0.0		+	1		Above 10m.
6 „	.831	28.990	76.2	75.0	1.2	74.5	.95	77.5	80.1	„	0.0					
7 „	.858	.993	78.2	76.2	2.0	75.4	.92	79.2	80.1	„	0.0					
8 „	.881	29.009	81.2	77.2	4.0	75.6	.84	81.3	80.5	W	0.1					
9 „	.885	28.968	83.8	79.0	4.8	77.2	.81	83.6	80.8	SSW	0.1		+	3		3.00
10 „	.880	.968	85.0	79.2	5.8	77.1	.78	84.2	81.3	S b E	0.1					
11 „	.872	.960	86.6	79.6	7.0	77.1	.74	85.5	81.6	S b W	0.2	None.			None.	
Noon.	.851	.929	87.2	80.0	7.2	77.4	.74	86.4	81.8	SW b S	0.2					
1 p. m.	.827	.918	87.6	79.8	7.8	76.9	.72	86.5	82.2	SW b W	0.1		+	1		Above 10m.
2 „	.805	.942	88.0	78.8	9.2	75.3	.67	86.8	82.3	„	0.1		+	1		Above 10m.
3 „	.787	.926	88.2	78.8	9.4	75.2	.67	86.9	82.5	SW	0.2		+	1		Above 10m.
4 „	.780	.897	88.0	79.3	8.7	76.0	.69	86.9	82.6	SW b W	0.2		+	1		Above 10m.
5 „	.791	.864	86.0	79.8	6.2	77.6	.77	85.3	82.6	„	0.1		+	2		Above 10m.
6 „	.803	.878	82.7	78.9	3.8	77.5	.85	83.0	82.4	„	0.1		+	1		Above 10m.
7 „	.824	.918	81.0	78.0	3.0	76.8	.88	81.6	82.0	S b W	0.1		+	1		Above 10m.
8 „	.843	.930	80.4	78.0	2.4	77.1	.90	81.1	81.8	S b E	0.1					
9 „	.864	.953	79.8	77.8	2.0	77.0	.92	80.5	81.7	„	0.2					
10 „	.864	.983	79.6	77.0	2.6	76.0	.89	80.2	81.5	„	0.2					
11 „	.863	.975	79.4	77.1	2.3	76.2	.90	80.1	81.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈≈ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≈⌣ nimbi.	
0	L	A few ≈ above NE hor.	
0	H	,, ,,	
0	H	Mist around hor.	
0	H	A few ≈ in N and W above hor.; mist in hor.	
0	H	,, ,, ,,	
0	C	Mist in hor.	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 80°1. The Reading of Barometer at 4 P. M. was lowest in the month and about 0.051in. lower than the Normal Mean.
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	A few patches of clouds in E hor.	
0	C	Mist in hor.	
0	C	,,	
0	L	,,	
0	L	,,	
0	L	Clear.	
0	L	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 80°1.
0	L	,,	
0	L	,,	
0	L	A few ≈ scattered in E and SE about hor.	
0	L	Clear.	
0	C	A few pieces of clouds in E hor.	
0	C	A few pieces of clouds along E hor.	
0	C	Mist in hor.; otherwise clear.	
0	C	Mist around hor.	
0	L	,, ,,	
0	L	,, ,,	
0	L	Clear.	
0	L	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	H	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	H	,,	
0	H	,,	
0	H	A few pieces of clouds in E about Moon, moving W.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 25th-Midnight	29.863	28.977	79°2	77°0	2°2	76°1	0.91	79°7	81°2	S b E	0.1					
1 a. m.	.860	.955	78.6	77.3	1.3	76.8	.95	79.5	81.1	„	0.0					
2 „	.848	.943	78.6	77.3	1.3	76.8	.95	79.5	81.0	SW b W	0.0					
3 „	.839	.948	78.0	76.8	1.2	76.3	.95	79.0	80.8	„	0.0					
4 „	.838	.947	78.0	76.8	1.2	76.3	.95	78.9	80.7	S b W	0.1					
5 „	.847	.969	77.8	76.4	1.4	75.9	.94	78.5	80.6	S	0.1					
6 „	.863	.985	77.8	76.4	1.4	75.9	.94	78.5	80.5	SSE	0.1					
7 „	.885	29.023	78.2	76.1	2.1	75.3	.91	78.8	80.5	ESE	0.2					
8 „	.917	.047	80.6	77.0	3.6	75.6	.85	80.9	80.5	E b S	0.2					
9 „	.918	.051	82.8	77.5	5.3	75.5	.79	82.6	80.9	„	0.1					
10 „	.921	.010	84.4	79.0	5.4	77.0	.79	83.4	81.5	SE	0.1					
11 „	.908	28.999	86.0	79.6	6.4	76.9	.76	84.6	81.8	SW	0.1		+	2		Above 10m.
Noon.	.890	.949	87.0	80.4	6.6	78.0	.76	86.0	82.8	WSW	0.1	None.			None.	
1 p. m.	.854	.881	87.7	81.3	6.4	79.1	.77	86.4	82.2	W b S	0.2					
2 „	.823	.858	88.0	81.2	6.8	78.8	.75	86.5	82.4	„	0.2					
3 „	.812	.857	87.7	80.9	6.8	78.5	.75	86.4	82.5	„	0.2					
4 „	.791	.854	87.8	80.5	7.3	77.9	.73	87.0	82.7	W	0.2					
5 „	.789	.863	86.8	80.0	6.8	77.5	.75	86.7	82.6	„	0.1					
6 „	.814	.927	83.1	78.1	5.0	76.2	.80	83.2	82.4	„	0.1					
7 „	.840	.962	81.4	77.4	4.0	75.9	.84	82.2	82.0	WSW	0.2					
8 „	.858	.933	81.2	78.5	2.7	77.5	.89	81.8	82.0	S b W	0.1					
9 „	.874	.932	80.8	78.8	2.0	78.1	.92	81.4	81.8	S b E	0.1					
10 „	.868	.925	80.7	78.8	1.9	78.1	.92	81.4	81.8	„	0.2					
11 „	.851	.938	80.4	78.0	2.4	77.1	.90	80.7	81.7	„	0.1					
Mar 26th-Midnight	.846	.903	79.6	78.5	1.1	78.1	.95	80.2	81.5	W	0.1					
1 a. m.	.831	.884	79.6	78.6	1.0	78.2	.96	80.0	81.4	NW	0.3					
2 „	.811	.887	78.6	77.8	0.8	77.5	.97	79.2	81.1	NW b N	0.2					
3 „	.803	.917	77.8	76.6	1.2	76.1	.95	78.5	81.0	N b W	0.1					
4 „	.796	.888	77.2	77.0	0.2	76.9	.99	77.7	80.7	NNE	0.0					
5 „	.818	.917	77.8	77.0	0.8	76.7	.97	78.2	80.5	E b S	0.1					
6 „	.834	.930	76.8	75.5	1.3	75.0	.94	78.0	80.4	„	0.2					
7 „	.859	.929	78.8	78.0	0.8	77.7	.97	79.7	80.5	ESE	0.2					
8 „	.887	.970	81.1	78.3	2.8	77.2	.89	81.5	80.7	SE b E	0.2					
9 „	.905	.954	83.8	79.8	4.0	78.4	.84	83.5	81.1	S b W	0.1					
10 „	.909	.933	86.2	81.0	5.2	79.2	.80	85.2	81.6	SW b S	0.1					
11 „	.899	.892	87.4	82.0	5.4	80.2	.80	86.4	82.0	„	0.2	None.			None.	
Noon.	.878	.860	88.8	82.6	6.2	80.5	.77	87.5	82.3	WSW	0.2					
1 p. m.	.858	.867	88.8	82.0	6.8	79.7	.75	87.5	82.7	SW b W	0.2					
2 „	.836	.858	88.4	81.6	6.8	79.3	.75	87.4	82.9	„	0.2					
3 „	.820	.859	88.4	81.2	7.2	78.7	.74	87.4	83.0	„	0.2		+	1		Above 10m.
4 „	.812	.849	88.2	81.2	7.0	78.8	.74	87.5	83.1	„	0.2		+	2		Above 10m.
5 „	.817	.839	86.4	81.1	5.3	79.3	.80	86.1	83.0	SW	0.1		+	3		2.10
6 „	.825	.857	83.0	80.0	3.0	78.9	.88	83.2	82.7	SW b S	0.1		+	4		1.00
7 „	.838	.897	81.6	79.0	2.6	78.0	.89	82.2	82.5	S b W	0.2		+	3		1.20
8 „	.850	.900	80.8	79.0	1.8	78.3	.93	81.6	82.2	„	0.1		+	3		3.00
9 „	.856	.901	80.4	79.0	1.4	78.5	.94	80.8	82.0	S b E	0.2		+	7		2.50
10 „	.862	.936	79.9	78.2	1.7	77.5	.93	80.4	81.9	S	0.2		+	3		Above 10m.
11 „	.847	.925	79.5	78.0	1.5	77.4	.94	80.2	81.7	S b W	0.1		+	3		Above 10m.
Mar 27th-Midnight	.837	.947	78.8	77.0	1.8	76.3	.92	79.4	81.5	SW b S	0.1		+	4		Above 10m.
1 a. m.	.823	.926	78.2	77.0	1.2	76.5	.95	79.0	81.3	„	0.0		+	1		Above 10m.
2 „	.808	.931	77.2	76.2	1.0	75.8	.96	78.0	81.1	„	0.0		+	5		2.20
3 „	.800	.892	77.2	77.0	0.2	76.9	.99	78.8	80.8	S b E	0.0		+	9	8	1.20
4 „	.795	.909	77.0	76.4	0.6	76.1	.97	78.2	80.7	SE b E	0.2		+	4		0.50
5 „	.809	.931	76.4	76.0	0.4	75.9	.98	77.6	80.4	„	0.2		+	3		0.46
6 „	.829	.984	75.8	75.0	0.8	74.7	.96	77.1	80.3	„	0.0	None.				
7 „	.855	.978	78.2	76.5	1.7	75.8	.93	78.9	80.4	ESE	0.0					
8 „	.877	.973	80.8	77.9	2.9	76.8	.88	80.7	80.6	„	0.0					
9 „	.883	.992	82.4	78.0	4.4	76.3	.83	80.9	80.8	WSW	0.1					
10 „	.889	.984	83.4	78.6	4.8	76.8	.81	82.8	81.0	W b S	0.1					
11 „	.868	.964	85.0	79.0	6.0	76.8	.77	83.9	81.4	WSW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	
3	H	Patches of ≀≀ scattered about, moving W.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 80°1.
1	L	" " "	
1	L	Small fragments of ≀≀ scattered here and there.	
1	L	Pieces of ≀≀ about hor.; otherwise clear.	
0	L	A few patches of ≀≀ in hor.; otherwise clear.	
0	C	A few pieces of clouds in E above hor.	
0	C	Mist around hor.	
0	C	"	
0	C	"	
0	L	"	
0	L	"	
0	L	Clear.	
0	L	"	
0	H	Light haze in hor.	
0	H	A few ≀ above N and NE hor.; light haze in hor.	
1	H	≀ scattered about.	
0	H	A few ≀ along E hor.	
0	C	Clear.	
0	C	A few clouds in E hor.	
0	C	A few clouds in E and SE hor.	
0	C	A few pieces of clouds in E, SE, and hor. and about zth.	
0	H	Clear, except in hor.	
0	H	A few pieces of clouds in NE.	
0	H	Clear, except in hor.	
0	H	A few pieces of clouds in E and S hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°8 and 80°2. The Temperature of Evaporation and that of the calculated Dew-Point at Noon were greatest in the month.
4	L	Patches of ≀≀ in NW and N, moving SE; ≀ scattered about; dew falling.	
3	L	≀≀ scattered about, moving N; dew falling.	
1	L	≀≀ scattered around hor.; dew falling.	
0	L	Clear, except in hor.; dew falling.	
0	C	A few ≀ along E hor.; dew falling.	
1	C	Patches of ≀≀ and light ≀ scattered about hor. from NE to WSW.	
2	C	Pieces of ≀≀ scattered about, moving NNW.	
4	C	" " "	
1	L	≀≀ scattered about hor. from SW to NW, moving slowly N.	
0	L	Fragments of clouds scattered around hor.	
0	L	Fragments of clouds in SW, W, and about zth.	
0	L	A few pieces of clouds about zth., moving N.	
3	H	≀≀ scattered about, moving E.	
4	H	≀≀ scattered about, moving NE.	
4	H	" "	
2	H	≀≀ scattered around hor. and in zth., moving N.	
2	C	Patches of ≀≀ scattered about, moving NE.	
1	C	" " "	
0	C	A few patches of clouds around hor. and in NE and N of zth.	
0	C	A few clouds in hor.	
1	H	Pieces of clouds scattered here and there, moving N; dew falling.	
0	H	Clear, except in hor.; dew falling.	
0	H	Pieces of clouds scattered here and there; dew falling.	
0	H	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°2 and 80°3.
0	L	" "	
0	L	" "	
1	L	Patches of ≀≀ scattered about zth., moving N; dew falling.	
0	L	Clear; dew falling.	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	L	Mist around hor.	
0	L	"	
0	L	Clear.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar 27th–Noon.	29.849	28.939	86°8	79°6	7°2	77°0	0.73	85°8	81°7	SW	0.2					
1 p. m.	.825	.950	87.6	79.0	8.6	75.8	.69	86.4	82.0	WSW	0.2					
2 „	.808	.912	88.8	79.8	9.0	76.5	.68	87.2	82.4	W b S	0.2					
3 „	.793	.907	89.0	79.6	9.4	76.1	.67	87.5	82.7	„	0.2					
4 „	.791	.940	89.1	78.8	10.3	74.9	.61	88.2	82.8	WNW	0.2					
5 „	.797	.989	87.0	77.2	9.8	73.3	.65	86.2	82.8	„	0.1	None.			None.	
6 „	.812	29.002	83.6	76.3	7.3	73.3	.72	83.5	82.5	NW b W	0.1					
7 „	.821	.001	81.6	76.0	5.6	73.7	.78	81.8	82.0	WNW	0.1					
8 „	.843	.016	81.0	76.0	5.0	74.0	.80	81.2	81.9	„	0.1					
9 „	.857	.005	80.5	76.5	4.0	74.9	.84	80.8	81.8	NW	0.1					
10 „	.853	28.985	80.2	76.8	3.4	75.5	.86	80.3	81.6	„	0.1					
11 „	.843	.962	79.6	77.0	2.6	76.0	.89	80.2	81.5	„	0.1					
Mar 29th–Midnight	.795	29.037	76.9	73.0	3.9	71.3	.84	77.4	80.0	NW b W	0.1		+	1		Above 10m.
1 a. m.	.779	.008	77.2	71.8	5.4	69.3	.78	77.8	79.9	NW	0.2		+ +	1		Above 10m.
2 „	.768	.009	76.8	73.0	3.8	71.3	.84	77.2	79.7	„	0.2		+ +	1		Above 10m.
3 „	.763	.012	76.2	72.6	3.6	71.0	.85	76.8	79.6	NW b N	0.2		+	1		Above 10m.
4 „	.772	.022	75.6	72.4	3.2	71.0	.86	75.9	79.4	NNW	0.1					
5 „	.787	.038	74.4	72.0	2.4	70.9	.89	75.0	79.1	N b W	0.1					
6 „	.811	.071	73.9	71.6	2.3	70.5	.90	74.5	78.8	N	0.1					
7 „	.838	.077	75.6	72.7	2.9	71.4	.88	76.2	78.8	N b E	0.1					
8 „	.853	.107	78.4	73.1	5.3	70.8	.78	78.6	79.1	„	0.1					
9 „	.859	.075	80.0	74.6	5.4	72.3	.78	80.5	79.5	NE b N	0.1					
10 „	.858	.053	83.0	76.0	7.0	73.2	.73	82.2	79.9	ENE	0.0					
11 „	.838	.057	83.8	75.6	8.2	72.2	.69	82.4	80.2	NW b N	0.1					
Noon.	.816	.020	85.2	76.4	8.8	72.8	.68	83.7	80.5	NW	0.1	None.			None.	
1 p. m.	.784	.023	86.6	75.9	10.7	71.4	.62	85.3	80.9	NW b W	0.1					
2 „	.760	28.960	87.0	77.0	10.0	73.0	.64	85.3	81.1	„	0.2					
3 „	.742	.919	86.4	77.4	9.0	73.8	.67	84.7	81.3	WNW	0.3					
4 „	.739	.895	86.6	78.0	8.6	74.6	.69	85.9	81.5	„	0.3					
5 „	.742	.903	84.2	77.2	7.0	74.4	.73	84.1	81.4	NW b W	0.2					
6 „	.757	.919	81.4	76.4	5.0	74.4	.80	81.2	81.1	„	0.2					
7 „	.778	.931	80.2	76.3	3.9	74.7	.84	80.3	81.0	WNW	0.1					
8 „	.795	.946	79.4	76.1	3.3	74.8	.86	79.9	80.9	„	0.0					
9 „	.809	.959	78.6	76.0	2.6	75.0	.89	79.5	80.6	W b N	0.0					
10 „	.817	.964	78.3	75.9	2.4	75.0	.90	79.0	80.5	W	0.1					
11 „	.816	.969	77.8	75.9	2.2	74.7	.91	78.3	80.4	W b N	0.1					
Mar 30th–Midnight	.810	.974	77.4	75.2	2.2	74.3	.91	78.0	80.3	WNW	0.1					
1 a. m.	.790	.960	77.2	75.0	2.2	74.1	.91	78.2	80.2	„	0.0					
2 „	.779	.960	76.8	74.6	2.2	73.7	.91	77.8	80.1	„	0.0					
3 „	.780	.966	76.6	74.4	2.2	73.5	.91	77.6	79.8	„	0.0					
4 „	.784	.996	76.2	73.6	2.6	72.5	.89	77.0	79.6	NW b W	0.0					
5 „	.798	29.013	75.1	73.2	1.9	72.4	.92	76.1	79.5	„	0.0					
6 „	.822	.040	74.7	73.0	1.7	72.2	.93	76.0	79.1	„	0.0					
7 „	.847	28.976	77.0	76.0	1.0	75.6	.96	78.2	79.1	N b E	0.1					
8 „	.881	29.047	80.7	76.1	4.6	74.3	.81	80.2	79.7	SE	0.2					
9 „	.887	.050	82.2	76.6	5.6	74.4	.78	81.6	80.1	„	0.2					
11 „	.888	.043	84.8	77.5	7.3	74.7	.73	84.2	80.4	S b W	0.2					
10 „	.879	.023	87.0	78.4	8.6	75.1	.69	86.0	80.9	SSW	0.2					
Noon.	.856	28.997	87.6	78.6	9.0	75.2	.68	86.4	81.3	SW	0.3	None.			None.	
1 p. m.	.833	.985	88.2	78.5	9.7	74.8	.66	87.0	81.6	WSW	0.2					
2 „	.804	.997	88.2	77.5	10.7	73.2	.62	87.1	81.9	„	0.2					
3 „	.785	29.014	88.2	76.6	11.6	71.8	.60	87.0	82.0	„	0.1					
4 „	.777	28.987	87.9	77.0	10.9	72.6	.62	87.0	82.2	W	0.2		+	1		Above 10m.
5 „	.775	.977	85.8	76.6	9.2	72.9	.67	85.3	82.0	„	0.2		+ +	1		Above 10m.
6 „	.785	29.006	82.2	75.1	7.1	72.1	.73	82.2	81.7	W b N	0.1		+ +	1		Above 10m.
7 „	.800	.017	80.4	74.7	5.7	72.3	.77	81.0	81.4	W b S	0.1		+	1		Above 10m.
8 „	.811	.012	80.0	75.0	5.0	73.0	.80	80.6	81.1	W	0.1					
9 „	.823	.002	79.4	75.4	4.0	73.8	.84	80.0	81.0	„	0.1					
10 „	.823	28.991	78.8	75.5	3.3	74.2	.86	79.4	80.9	W b N	0.1					
11 „	.815	.972	78.8	75.8	3.0	74.6	.88	79.4	80.7	WNW	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ∿⌣ nimbi.	
0	L	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	H	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°1 and 80°4.
0	L	" "	
0	L	" "	
0	L	" "	
3	L	Light ∿∿ scattered about, moving S.	
2	C	Light ∿∿ scattered about, moving SSE.	
4	C	" "	
1	C	Masses of ∿∿ in W and N hor. "	
0	C	Fog and mist around hor.	
0	L	" "	
0	L	A few patches of clouds in SW, moving SSW.	
0	L	Clear.	
0	L	"	
0	H	Hazy around hor.	
0	H	"	
0	H	"	
0	H	"	
0	C	"	
0	C	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	H	Clear; dew falling.	
0	H	A few pieces of clouds in E, moving N; dew falling.	
4	H	Fleecy clouds scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°1 and 80°5.
5	L	" " "	
4	L	" " "	
5	L	Fleecy clouds scattered about, moving SE.	
2	L	" " "	
1	C	Patches of fleecy clouds in E, moving SE.	
0	C	" " "	
4	C	Fleecy clouds scattered about, moving SE.	
3	C	Fleecy clouds scattered about hor., moving W.	
0	L	A few patches of clouds moving about.	
0	L	Light mist around hor.	
0	L	Clear.	
0	L	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	H	"	
0	H	A few pieces of clouds scattered about, moving E.	
1	H	Fleecy clouds scattered about, moving E.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 31st-Midnight	29.797	28.954	78°8	75°8	3°0	74°6	0.88	79°4	80°7	NW	0.1					
1 a. m.	.788	.965	78·6	75.2	3.4	73.8	.86	79.2	80.5	„	0.1					
2 „	.782	.976	78·0	74.6	3.4	73.2	.86	78.9	80.3	NW b N	0.0					
3 „	.783	.988	77.6	74.2	3.4	72.8	.86	78.7	80.2	NW	0.0					
4 „	.788	29.003	75.8	73.4	2.4	72.4	.90	77.0	79.9	„	0.0					
5 „	.792	.012	75.6	73.2	2.4	72.2	.90	76.6	79.7	NW b N	0.0					
6 „	.801	.022	75.0	73.0	2.0	72.1	.91	76.2	79.5	„	0.0					
7 „	.824	28.999	77.6	75.0	2.6	73.9	.89	78.8	79.5	NE b E	0.1		•			
8 „	.850	29.019	80.6	76.0	4.6	74.1	.82	80.6	80.0	ENE	0.1					
9 „	.872	.052	81.6	76.0	5.6	73.7	.78	81.5	80.3	E b N	0.0					
10 „	.868	.072	82.4	75.6	6.8	72.8	.74	82.2	80.4	NW b W	0.1					
11 „	.855	.065	84.4	76.0	8.4	72.6	.69	83.5	80.6	WNW	0·1					
Noon.	.834	.058	85.6	76.0	9.6	72.0	.65	84.2	80.9	„	0.1	None.	Nnoe.	None.	None.	None.
1 p. m.	.811	.003	87.0	77.2	9.8	73.3	.65	85.4	81.3	„	0.1					
2 „	.782	28.951	87.8	78.0	9.8	74.1	.65	86.2	81.6	„	0.1					
3 „	.757	.938	87.4	77.6	9.8	73.7	.65	86.1	81.8	„	0.2					
4 „	.749	.934	87.8	77.6	10.2	73.5	.61	87.0	82.0	„	0.2					
5 „	.752	.934	85.4	77.0	8.4	73.6	.69	84.7	82.0	„	0.1					
6 „	.771	.957	82.2	76.0	6.2	73.5	.76	82.1	81.5	WNW	0.2					
7 „	.787	.955	80.5	76.0	4.5	74.2	.82	80.8	81.3	NW b W	0.1					
8 „	.798	.962	79.8	75.9	3.9	74.3	.84	80.2	81.1	„	0.1					
9 „	.825	.990	79.2	75.7	3.5	74.3	.86	79.6	80.9	NW	0.2					
10 „	.833	.992	79.0	75.8	3.2	74.5	.87	79.6	80.8	NW b N	0.2					
11 „	.829	29.009	78.8	75.2	3.6	73.7	.85	79.2	80.7	„	0.2					
Apr. 1st-Midnight	.821	.004	78·4	75.0	3.4	73.6	.86	79.0	80.6	NNW	0.2					
1 a. m.	.803	28.976	78.2	75.2	3.0	74.0	.87	79.0	80.4	„	0.1					
2 „	.797	.983	78.0	74.8	3.2	73.5	.87	78.8	80.3	„	0.1					
3 „	.802	29.007	77.6	74.2	3.4	72.8	.86	78.5	80.2	N b W	0.1					
4 „	.811	.015	76.8	74.0	2.8	72.8	.88	77.5	80.0	„	0.0					
5 „	.839	.041	76.6	74.0	2.6	72.9	.89	77.2	79.9	N b E	0.0					
6 „	.851	.059	75.5	73.5	2.0	72.7	.91	76.4	79.5	„	0.0					
7 „	.863	.031	77.0	75.0	2.0	74.2	.91	78.1	79.5	„	0.0					
8 „	.895	.047	80.5	76.4	4.1	74.8	.84	80.6	80.0	NE	0.1					
9 „	.909	.121	82.4	75.4	7.0	72.5	.73	82.2	80.3	ENE	0.1					
10 „	.913	.098	84.2	76.6	7.6	73.5	.71	83.7	80.6	NW	0.0					
11 „	.898	.093	85.8	76.8	9.0	73.2	.67	84.6	80.9	„	0.1	None.			None.	
Noon.	.879	.081	87.2	77.0	10.2	72.9	.64	86.2	81.3	„	0.3					
1 p. m.	.852	.044	87.8	77.4	10.4	73.3	.63	86.2	81.7	WNW	0.2					
2 „	.829	.054	88.2	76.7	11.5	72.0	.60	86.7	81.9	„	0.3					
3 „	.813	.013	88.1	77.3	10.8	73.0	.62	86.7	82.1	„	0.4					
4 „	.811	28.980	87.1	77.8	9.3	74.1	.67	86.9	82.1	„	0.6		+	1		Above 10m.
5 „	.818	.985	84.0	77.0	7.0	74.2	.73	84.1	82.0	NW	0.4		+	1		Above 10m.
6 „	.828	.966	81.4	77.0	4.4	75.3	.82	81.3	81.5	„	0.3					
7 „	.849	.989	80.1	76.6	3.5	75.2	.86	80.3	81.3	„	0.3					
8 „	.876	29 031	79.4	76.0	3.4	74.7	.86	80.0	81.0	„	0.6					
9 „	.881	.024	79.0	76.2	2.8	75.1	.88	79.7	81.0	NW b N	0.5					
10 „	.896	.043	78.6	76.0	2.6	75.0	.89	79.4	80.8	„	0.2					
11 „	.892	.034	78.2	76.0	2.2	75.1	.91	79.1	80.7	NNW	0.1					
Apr. 3rd-Midnight	.845	.051	79.4	74.7	4.7	72.8	.81	79.8	80.7	N b E	0.5					
1 a. m.	.834	.054	79.3	74.3	5.0	72.2	.80	79.6	80.6	NNE	0.6					
2 „	.821	.031	78.4	74.3	4.1	72.6	.83	78.7	80.5	NE b N	0.5					
3 „	.811	28.994	78.4	75.0	3.4	73.6	.86	79.0	80.5	„	0.7					
4 „	.812	29.006	78.0	74.6	3.4	73.2	.86	78.7	80.3	„	0.5					
5 „	.832	.038	77.0	74.0	3.0	72.8	.87	77.7	80.1	„	0.0					
6 „	.840	.072	76.0	73.0	3.0	71.7	.87	76.6	79.8	„	0.1	None.	None.	None.	None.	None.
7 „	.869	.109	78.0	73.4	4.6	71.4	.81	78.7	79.7	NE	0.1					
8 „	.889	.094	80.4	75.0	5.4	72.8	.78	81.5	80.0	NE b E	0.1					
9 „	.894	.133	84.2	75.2	9.0	71.4	.67	84.1	80.7	NE b N	0.3					
10 „	.881	.091	85.8	76.6	9.2	72.6	.67	85.3	81.1	N	0.3					
11 „	.857	.054	87.1	77.1	10.0	73.1	.64	86.6	81.5	„	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ≀_ cirro-strati; ∩≀ cumulo-strati; and ∩≀ nimbi.	
6	H	Light ∩≀ scattered throughout, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 80°6.
3	L	Light ∩≀ scattered about hor., moving SE.	
4	L	Light ∩≀ scattered about, moving E.	
0	L	A few pieces of ∩≀ passing E.	
1	L	Light ∩≀ scattered around hor., moving E.	
1	C	" " "	
1	C	∩≀ around hor. except in NW and N, moving SE.	
5	C	Light ∩≀ scattered about, moving SE.	
5	C	" " "	
6	L	" " "	
1	L	Light ∩≀ scattered around hor., moving E.	
0	L	A few masses of ∩≀ in N; otherwise clear.	
0	L	Cloudless.	
0	H	"	
0	H	"	
0	H	A few patches of ∩≀ in SW hor., moving E.	
0	H	Patches of ∩≀ scattered here and there.	
0	C	Cloudless.	
0	C	A few patches of ∩≀ in SW above hor.	
0	C	Clear.	
0	C	"	
0	H	Fragments of fleecy clouds passing E.	
7	H	Light ∩≀ scattered throughout.	
5	H	" "	
3	H	Light ∩≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°1 and 80°6. At 6 A. M. the Temperature of External and Free Air was the lowest in the month, and about 1°5 lower than the Normal Mean.
1	L	" " "	
3	L	Light ∩≀ scattered about, moving SE.	
3	L	Light ∩≀ scattered about, moving SE; ∩≀ in SE and S, moving NW.	
2	L	∩≀ scattered around hor., moving SE; ∩≀ in SE, S, and W, moving NW.	
3	C	∩≀ around hor., moving SE; ∩≀ scattered about, moving N.	
3	C	" " " "	
4	C	∩≀ scattered about, moving N; mist in hor.	
0	C	" " "	
0	L	Mist and fog around hor.	
0	L	A few patches of clouds in E and SE above hor.	
0	L	Clear.	
0	L	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
3	C	Light ∩≀ scattered around hor., moving E.	
5	C	Light ∩≀ scattered about, moving E.	
2	C	Light ∩≀ scattered about hor., moving SE.	
4	C	Light ∩≀ scattered about, moving ENE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°2 and 80°7.
5	H	" " "	
5	H	" " "	
4	H	" " "	
2	H	Light ∩≀ scattered about, moving NE.	
1	L	∩≀ scattered about hor. from NE to SW, moving NNE.	
2	L	Light ∩≀ and ∩≀ scattered about, both moving N; mist around hor.	
2	L	Light ∩≀ and ∩≀ scattered about, both moving NE; mist around hor.	
2	L	∩≀ scattered about, moving NE; mist around hor.	
3	C	" " "	
2	C	" " "	
2	C	∩≀ scattered about, moving ENE; light ∩≀ in E; mist in hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.	°								lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 3rd-Noon.	29.829	29.018	86°0	77°0	9°0	73°4	0.67	86°0	81°6	N	0.6					
1 p. m.	.785	.013	87.4	76.4	11.0	71.8	.61	86.9	82.0	„	0.8					
2 „	.753	28.995	86.9	75.9	11.0	71.3	.61	86.0	82.1	„	0.9					
3 „	.730	.962	86.4	76.0	10.4	71.7	.63	85.5	82.1	„	0.8					
4 „	.720	.972	86.4	75.5	10.9	70.9	.61	86.5	82.2	„	0.8					
5 „	.721	.975	84.8	75.0	9.8	70.8	.64	85.0	82.2	N b E	0.4	None.	None.	None.	None.	None.
6 „	.722	.969	82.8	74.6	8.2	71.1	.69	83.0	81.9	N	0.3					
7 „	.732	29.008	82.0	73.6	8.4	69.9	.68	82.6	81.8	N b E	0.8					
8 „	.755	.009	81.4	74.0	7.4	70.8	.71	82.0	81.5	„	0.5					
9 „	.775	28.987	81.0	75.0	6.0	72.5	.76	81.5	81.5	„	0.3					
10 „	.788	.993	80.4	75.0	5.4	72.8	.78	81.0	81.4	„	0.4					
11 „	.782	.959	80.0	75.6	4.4	73.8	.82	80.5	81.2	„	0.6					
Apr. 5th-Midnight	.775	.894	79.6	77.0	2.6	76.0	.89	80.1	81.2	NW b W	0.0					
1 a. m.	.765	.880	79.3	77.0	2.3	76.1	.90	80.0	81.0	NW	0.0					
2 „	.756	.883	78.6	76.5	2.1	75.7	.91	79.4	80.9	„	0.0					
3 „	.748	.892	78.0	75.9	2.1	75.1	.91	78.8	80.8	„	0.0					
4 „	.748	.916	77.0	75.0	2.0	74.2	.91	77.8	80.5	„	0.0					
5 „	.757	.921	76.6	75.0	1.6	74.3	.93	77.8	80.3	„	0.0					
6 „	.778	.899	77.0	76.2	0.8	75.9	.97	77.9	80.1	„	0.0					
7 „	.800	.909	79.5	77.2	2.3	76.3	.91	80.5	80.3	„	0.0					
8 „	.822	.950	82.6	77.6	5.0	75.6	.80	82.5	80.8	„	0.0					
9 „	.840	.961	84.6	78.3	6.3	75.9	.76	84.1	81.1	„	0.0					
10 „	.849	.958	85.4	78.8	6.6	76.3	.75	84.8	81.5	„	0.1					
11 „	.831	.959	87.5	78.9	8.6	75.6	.69	86.2	81.9	„	0.1	None.	None.	None.	None.	None.
Noon.	.814	.961	89.0	78.9	10.1	75.0	.65	87.6	82.2	W b N	0.1					
1 p. m.	.788	.939	90.0	79.0	11.0	74.8	.62	88.1	82.6	„	0.1					
2 „	.766	.882	90.0	79.8	10.2	76.1	.68	88.2	82.9	„	0.2					
3 „	.752	.869	89.6	79.7	9.9	76.0	.66	88.2	83.0	„	0.1					
4 „	.734	.864	90.0	79.5	10.5	75.6	.64	89.0	83.3	„	0.1					
5 „	.734	.874	88.0	79.0	9.0	75.2	.68	86.8	83.3	„	0.1					
6 „	.749	.904	84.4	77.4	7.0	74.7	.74	84.2	82.8	„	0.2					
7 „	.751	.897	83.6	77.4	6.2	75.0	.76	83.8	82.7	WNW	0.4					
8 „	.772	.984	82.8	75.5	7.3	72.5	.72	83.4	82.6	NW	0.1					
9 „	.792	29.015	82.0	75.0	7.0	72.0	.73	82.9	82.4	„	0.1					
10 „	.798	.023	80.8	74.6	6.2	72.0	.76	81.6	82.2	„	0.1					
11 „	.796	.066	82.8	74.0	8.8	70.1	.67	83.2	82.1	„	0.3					
Apr. 6th-Midnight	.768	28.924	81.6	76.6	5.0	74.6	.80	82.2	82.0	NW	0.8					
1 a. m.	.751	.932	81.0	75.8	5.2	73.7	.79	81.4	81.9	„	0.8					
2 „	.751	.931	80.9	75.8	5.1	73.7	.80	81.2	81.9	NNW	0.6					
3 „	.747	.956	79.0	74.5	4.5	72.6	.82	79.2	81.5	N b E	0.1					
4 „	.748	29.057	78.0	71.5	6.5	68.4	.74	78.9	81.0	„	0.1					
5 „	.765	28.920	78.0	75.6	2.4	74.7	.90	78.8	80.7	N	0.1					
6 „	.789	29.234	78.2	67.6	10.6	61.8	.59	78.3	80.7	„	0.1					
7 „	.813	.286	79.0	67.0	12.0	60.2	.54	80.0	80.4	„	0.1					
8 „	.835	.273	83.6	69.6	14.0	62.1	.50	84.0	80.8	N b E	0.1					
9 „	.850	.179	86.8	73.6	13.2	67.5	.52	86.1	81.5	„	0.1					
10 „	.852	.243	88.2	72.4	15.8	64.6	.47	87.7	81.9	NE	0.1					
11 „	.831	.022	89.8	78.0	11.8	73.3	.60	88.2	82.3	NW	0.2	None.	None.	None.	None.	None.
Noon.	.807	28.935	89.5	79.4	10.1	75.6	.65	88.2	82.6	„	0.3					
1 p. m.	.771	.874	89.8	80.1	9.7	76.5	.66	89.0	83.0	WNW	0.2					
2 „	.752	.866	89.8	79.8	10.0	76.1	.65	89.0	83.2	„	0.3					
3 „	.736	.885	89.8	79.0	10.8	74.9	.63	88.9	83.4	„	0.3					
4 „	.730	.870	89.0	79.0	10.0	75.3	.65	88.8	83.4	„	0.3					
5 „	.730	.861	87.4	78.8	8.6	75.5	.69	87.4	83.4	„	0.2					
6 „	.743	.934	84.8	76.6	8.2	73.3	.69	84.9	83.1	„	0.3					
7 „	.750	.936	83.6	76.4	7.2	73.5	.73	84.2	82.8	NW b W	0.4					
8 „	.759	.982	83.4	75.4	8.0	72.0	.70	83.7	82.7	„	0.4					
9 „	.767	29.008	83.3	74.9	8.4	71.3	.68	83.7	82.6	„	0.4					
10 „	.772	.026	82.8	74.4	8.4	70.8	.68	83.2	82.6	NW b N	0.3					
11 „	.760	28.987	82.4	75.0	7.4	71.9	.71	83.1	82.5	„	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
2	C	scattered about, moving ENE; light in E; mist in hor.	
1	H	Patches of scattered about, moving E; light mist in hor.	
0	H	A few patches of in SW, moving N; light mist in hor.	
0	H	A few patches of in W, moving N; light mist in hor.	
0	H	A few patches of in NW, moving N; light mist in hor.	
0	L	Clear.	
0	L	A few fragments of in E and SW.	
0	L	Fragments of scattered here and there.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	A few patches of in SE, moving S.	
1	C	Light from NNW to SE hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°3 and 80°9.
2	H	Light scattered about hor. from NW to SE, moving N; dew falling.	
1	H	Patches of scattered about hor. from N to E; dew falling.	
0	H	Clear; dew falling.	
0	H	" "	
1	L	in hor. from N to ESE and also in SW of zth.; dew falling.	
1	L	scattered about zth. and in hor. from N to SE; mist around hor.	
1	L	Patches of scattered about, moving N; mist in hor.	
2	L	" " " "	
2	C	Patches of scattered about, moving NE; mist in hor.	
3	C	" " " "	
2	C	" " " "	
1	C	in hor. from N to SW.	
1	H	scattered about hor. from E to W, moving N; mist in hor.	
0	H	A few pieces of in NW and about zth.; a few about E hor.	
0	H	A few pieces of in SW and W; in E hor.	
0	H	A few and about E hor., moving N.	
0	L	A few fragments of above NE and NW hor.	
0	L	A few fragments of above NE, E, and S hor.	
0	L	Clear.	
0	L	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; fresh breezes of wind began to blow at 11h. 45m.	
0	C	Clear; fresh breezes of wind from NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°4 and 81°0. The Temperature of Evaporation at 7 A.M. was the lowest in the month, and about 8°1 lower than the Normal Mean; and its daily Range was 13°1, the greatest in the month.
0	H	Clear; dew falling.	
0	H	A few fragments of in E hor., moving N.	
0	H	" " "	
2	H	scattered about, moving N.	
2	L	" "	
1	L	Fragments of scattered about; mist around hor.	
1	L	Patches of in hor. from N to SE; mist in hor.	
0	L	A few patches of clouds in NE and E hor.; mist in hor.	
0	C	A few patches of clouds above E and S hor.; mist in hor.	
2	C	scattered in E hem.	
0	C	Patches of about zth.; otherwise cloudless.	
0	C	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 7th-Midnight	29.752	28.967	81°3	75°0	6°3	72°4	0.75	81°5	82°3	NNW	0.1					
1 a. m.	.720	.888	81.6	76.3	5.3	74.2	.79	82.2	82.3	NW	0.4					
2 „	.711	.856	81.6	76.9	4.7	75.0	.81	82.2	82.2	NW b N	0.2					
3 „	.704	.866	81.0	76.3	4.7	74.4	.81	81.4	82.0	„	0.1					
4 „	.715	.879	80.2	76.0	4.2	74.3	.83	80.7	81.9	„	0.1					
5 „	.725	.896	78.3	75.3	3.0	74.1	.87	79.2	81.5	„	0.0					
6 „	.752	.901	78.1	75.8	2.3	74.9	.90	78.9	81.3	„	0.0					
7 „	.771	.901	80.6	77.0	3.6	75.6	.85	81.4	81.3	NE b N	0.1					
8 „	.788	.892	83.4	78.4	5.0	76.5	.81	83.5	81.8	„	0.1					
9 „	.801	.948	85.8	78.0	7.8	75.0	.71	85.3	82.2	ENE	0.1					
10 „	.797	.971	88.3	78.0	10.3	74.0	.64	87.6	82.6	„	0.1		+	1		Above 10m.
11 „	.772	.950	90.6	78.5	12.1	73.8	.59	89.3	83.0	NW	0.1	None.				
Noon.	.746	.876	92.0	80.0	12.0	75.6	.60	90.5	83.5	WNW	0.2					
1 p. m.	.710	.905	92.1	78.5	13.6	73.2	.55	91.5	83.9	NW b W	0.2					
2 „	.683	.964	92.6	76.5	16.1	69.7	.49	91.8	84.3	NW b N	0.8					
3 „	.663	.945	92.7	76.5	16.2	69.6	.48	91.9	84.5	„	0.8					
4 „	.658	.895	92.2	77.5	14.7	71.3	.52	91.2	84.6	„	0.6					
5 „	.663	.902	89.8	76.8	13.0	71.4	.56	89.4	84.5	„	0.5					
6 „	.669	.919	88.0	76.0	12.0	71.0	.58	88.2	84.3	NNW	0.8					
7 „	.680	.943	87.0	75.4	11.6	70.4	.59	87.2	84.2	N b W	1.0					
8 „	.698	.969	86.4	75.0	11.4	70.1	.59	86.9	84.0	„	1.0					
9 „	.718	.992	86.6	75.0	11.6	69.9	.59	86.9	84.0	„	0.8					
10 „	.744	29.051	84.1	73.4	10.7	68.5	.61	84.2	83.7	N b W	0.1		+	1		Above 10m.
11 „	.746	28.810	84.0	79.5	4.5	77.9	.82	84.2	83.4	SE b E	0.2		+	7	6	0.33
Apr. 8th-Midnight	.734	.768	83.2	80.0	3.2	78.9	.87	83.7	83.4	SE	0.2		+	4		1.15
1 a. m.	.722	.785	82.0	79.0	3.0	77.9	.88	82.2	83.2	SSE	0.2		+	3		5.00
2 „	.708	.744	81.5	79.5	2.0	78.8	.92	82.1	83.0	„	0.2		+	8		Above 10m.
3 „	.701	.732	81.0	79.5	1.5	79.0	.94	81.8	83.0	„	0.1		+	10		1.00
4 „	.710	.759	80.7	79.0	1.7	78.4	.93	81.5	82.8	S	0.1		+	4		5.30
5 „	.728	.783	80.0	78.7	1.3	78.2	.95	80.9	82.6	„	0.1		+	1		Above 10m.
6 „	.761	.818	80.0	78.6	1.4	78.1	.94	81.0	82.5	„	0.1		+	10		0.30
7 „	.786	.874	81.2	78.2	3.0	77.1	.88	82.0	82.6	SSE	0.1		+	7		1.20
8 „	.811	.951	83.0	77.4	5.6	75.2	.78	83.4	82.7	„	0.1		+	3		4.30
9 „	.824	.993	84.2	77.0	7.2	74.1	.73	84.2	82.8	„	0.0					
10 „	.817	.977	87.0	78.0	9.0	74.5	.67	86.2	83.2	S b E	0.0					
11 „	.808	.927	89.4	79.6	9.8	76.0	.66	88.2	83.5	SW b W	0.1	None.				
Noon.	.787	.775	90.6	82.9	7.7	80.3	.73	90.1	84.0	„	0.2				None.	
1 p. m.	.755	.784	90.6	82.0	8.6	79.0	.70	89.7	84.3	SW	0.2					
2 „	.735	.752	90.4	82.2	8.2	79.4	.71	89.5	84.5	„	0.3					
3 „	.717	.741	90.2	82.0	8.2	79.2	.71	89.5	84.6	„	0.3					
4 „	.726	.754	89.7	81.8	7.9	79.1	.72	89.2	84.7	SW b W	0.1					
5 „	.735	.757	87.6	81.4	6.2	79.3	.77	87.4	84.6	WSW	0.1					
6 „	.755	.781	84.8	80.6	4.2	79.1	.84	85.0	84.3	W b S	0.1					
7 „	.781	.813	83.0	80.0	3.0	78.9	.88	83.8	83.9	W	0.0					
8 „	.801	.843	82.4	79.6	2.8	78.6	.89	83.2	83.7	„	0.0					
9 „	.820	.877	81.8	79.1	2.7	78.1	.89	82.8	83.5	WSW	0.1					
10 „	.826	.882	81.4	79.0	2.4	78.1	.90	82.4	83.3	„	0.0					
11 „	.818	.870	81.0	79.0	2.0	78.3	.92	82.2	83.1	„	0.0					
Apr. 9th-Midnight	.808	.856	80.6	79.0	1.6	78.4	.93	81.6	82.9	WSW	0.0					
1 a. m.	.783	.815	80.7	79.4	1.3	78.9	.95	81.7	82.9	„	0.0					
2 „	.763	.806	80.2	79.0	1.2	78.6	.95	81.5	82.8	„	0.1					
3 „	.765	.841	79.4	78.0	1.4	77.5	.94	80.2	82.5	„	0.0					
4 „	.771	.879	78.6	77.0	1.6	76.4	.93	79.4	82.3	„	0.0					
5 „	.792	.885	78.0	77.2	0.8	76.9	.97	79.4	82.1	„	0.0					
6 „	.825	.907	78.4	77.6	0.8	77.3	.97	79.4	82.0	„	0.0	None.	None.	None.	None.	None.
7 „	.837	.910	80.6	78.4	2.2	77.6	.91	81.4	82.0	„	0.0					
8 „	.861	.919	83.0	79.4	3.6	78.1	.86	83.0	82.3	SSE	0.2					
9 „	.871	.940	84.0	79.4	4.6	77.7	.82	84.0	82.5	ESE	0.1					
10 „	.866	.929	85.8	80.0	5.8	77.9	.78	85.2	82.9	SW	0.1					
11 „	.855	.888	87.4	81.1	6.3	78.9	.77	86.4	83.1	W	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°7 and 81°1. On this day the Range of the Temperature of Air was 14°6, the greatest in the month.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	A few fragments of clouds in E.	
0	L	" " "	
0	L	Mist around hor.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	H	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°9 and 81°2.
0	H	"	
0	H	Clear; dew falling.	
0	H	" "	
0	H	A few pieces of clouds along E hor., moving N; dew falling.	
0	L	" " " "	
1	L	Patches of Cirri scattered about hor. from E to SW; mist in hor.	
1	L	Patches of Cirri scattered about E, SE, and S hor.; mist in hor.	
0	L	A few pieces of clouds in SE and E; mist around hor.	
0	C	A few pieces of clouds from NE to S hor.; mist in hor.	
0	C	A few pieces of clouds in SE and S hor.; mist in hor.	
0	C	Mist around hor.	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 81°2.
0	H	" "	
2	H	Light Cirri scattered about, moving NE; dew falling.	
0	H	A few pieces of Cirri in E hor.; dew falling copiously.	
0	H	" " " "	
5	L	Light Cirri scattered about, moving S; dew falling.	
2	L	Light Cirri scattered around hor.; mist in hor.	
2	L	" " " "	
2	L	Light Cirri scattered about hor., moving SW; mist in hor.	
0	C	A few pieces of Cirri in W hor.; mist in hor.	
0	C	Mist around hor.	
0	C	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 9th-Noon.	29.825	28.857	88°1	81°3	6°8	78°9	0.75	87°6	83°5	W	0.1					
1 p. m.	.797	.852	89.4	81.1	8.3	78.2	.70	88.3	83.9	WSW	0.2					
2 „	.767	.825	89.6	81.1	8.5	78.1	.70	89.2	84.0	W	0.2					
3 „	.757	.798	89.8	81.5	8.3	78.6	.71	89.2	84.3	„	0.2					
4 „	.749	.785	89.7	81.6	8.1	78.8	.71	89.1	84.3	„	0.2					
5 „	.747	.767	87.4	81.4	6.0	79.3	.78	87.0	84.3	W b S	0.3					
6 „	.775	.801	84.8	80.6	4.2	79·1	.84	85.0	84.0	„	0.2					
7 „	.799	.831	83.0	80.0	3.0	78.9	.88	83.8	83.7	WSW	0.1	None.	None.	None.	None.	None.
8 „	.823	.877	82.3	79.3	3.0	78.2	.88	83.5	83.5	„	0.0					
9 „	.841	.942	81.6	78.0	3.6	76.6	.86	82.7	83.3	„	0.0					
10 „	.846	.900	81.2	79.0	2.2	78.2	.91	82.2	83.1	SW b W	0.1					
11 „	.846	.938	80.8	78.0	2.8	76.9	.89	82.1	83.0	„	0.0					
Apr. 10th-Midnight	.835	.942	80.7	77.6	3.1	76.4	.87	81.8	82.9	SW b W	0.0					
1 a. m.	.824	.941	80.2	77.2	3.0	76.0	.88	81.3	82.8	„	0.0					
2 „	.817	.948	80.0	76.8	3.2	75.5	.87	80.7	82.5	SW	0.1					
3 „	.803	.941	79.6	76.5	3.1	75.3	.87	80.2	82.4	„	0.1					
4 „	.807	.945	79.6	76.5	3.1	75.3	.87	80.2	82.3	„	0.1					
5 „	.825	.944	79.6	77.0	2.6	76.0	.89	80.8	82.1	SSW	0.1					
6 „	.836	.949	79.8	77.2	2.6	76.2	.89	80.6	82.0	S b E	0.2					
7 „	.860	.954	81.0	78.0	3.0	76.8	.88	81.7	82.0	SSE	0.2					
8 „	.873	.956	83.8	79.0	4.8	77.2	.81	83.8	82.3	„	0.1					
9 „	.877	.973	85.0	79.0	6.0	76.8	.77	85.0	82.6	SW	0.1					
10 „	.872	.953	88.2	80.2	8.0	77.3	.71	87·8	83.3	„	0.2					
11 „	.857	.955	89.0	80.0	9.0	76.7	.68	88.3	83.5	„	0.3	None.	None.	None.	None.	None.
Noon.	.836	.911	89.2	80.6	8.6	77.5	.69	88.7	83.7	„	0.3					
1 p. m.	.805	.887	89.9	80.6	9.3	77.3	.67	89.0	84.0	SW b W	0.2					
2 „	.775	.843	90.2	81.0	9.2	77.7	.68	89.6	84.3	W b S	0.3					
3 „	.763	.829	90.0	81.0	9.0	77.8	.68	89.2	84.3	WSW	0.2					
4 „	.756	.812	89.1	81.0	8.1	78.1	.71	88.7	84.5	„	0.2					
5 „	.760	.825	86.0	80.0	6.0	77.8	.77	86.0	84.1	„	0.2					
6 „	.783	.872	83.6	78.8	4.8	77.0	.81	83.8	83.8	W b S	0.2					
7 „	.799	.900	82.4	78.2	4.2	76.6	.83	83.2	83.5	„	0.1					
8 „	.819	.924	82.0	78.0	4.0	76.5	.84	83.0	83.4	WSW	0.0					
9 „	.828	.949	81.3	77.4	3.9	75.9	.84	82.2	83.2	„	0.0					
10 „	.830	.954	80.8	77.2	3.6	76.5	.85	81.8	83.0	„	0.0					
11 „	.821	.948	80.4	77.0	3.4	75.7	.86	81.3	82.8	„	0.0					
Apr. 11th-Midnight	.807	.941	80.0	76.7	3.3	75.4	.86	81.2	82.7	SW	0.1					
1 a. m.	.803	.935	79.8	76.7	3.1	75.5	.87	80.8	82.5	„	0.1					
2 „	.789	.927	79.6	76.5	3.1	75.3	.87	80.7	82.4	„	0.1					
3 „	.779	.932	79.2	76.0	3.2	74.7	.87	80.2	82.2	„	0.1					
4 „	.780	.937	78.8	75.8	3.0	74.6	.88	79.8	82.0	„	0.1					
5 „	.785	.947	78.6	75.6	3.0	74.4	.88	79.5	81.9	„	0.1					
6 „	.807	.966	79.0	75.8	3.2	74.5	.87	79.9	81.8	„	0.1					
7 „	.836	.987	80.4	76.4	4.0	74.8	.84	81.0	81.8	SW b S	0.2					
8 „	.863	29.007	83.4	77.4	6.0	75.1	.77	83.0	82.1	SW	0.2					
9 „	.871	.017	85.0	77.8	7.2	75.0	.73	84.7	82.5	SW b W	0.2					
10 „	.866	.025	86.9	78.0	8.9	74.5	.68	85.7	82.8	SW	0.2					
11 „	.853	.014	87.8	78.2	9.6	74.4	.66	86.2	83.0	WSW	0.2					
Noon.	.830	28.982	88.6	78.6	10.0	74.8	.65	87.8	83.3	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.805	.957	89.0	78.7	10.3	74.8	.64	88.2	83.5	W b S	0.1					
2 „	.779	.934	89.2	78.7	10.5	74.7	.63	88.2	83.8	„	0.3					
3 „	.767	.930	88.8	78.4	10.4	74.4	.64	87.7	83.9	„	0.2					
4 „	.764	.905	89.1	79.0	10.1	75.2	.65	88.2	84.0	„	0.2					
5 „	.765	.920	86.5	78.0	8.5	74.7	.69	86.0	83.9	„	0.2					
6 „	.777	.935	83.2	77.0	6.2	74.6	.76	83.2	83.5	„	0.2					
7 „	.794	.934	81.5	77.0	4.5	75.2	.78	82.2	83.1	WSW	0.1					
8 „	.815	.978	80.3	76.2	4.6	74.4	.82	81.7	82.9	„	0.1					
9 „	.830	.989	80.5	76.2	4.3	74.5	.83	81.7	82.8	SW b W	0.1					
10 „	.837	29.014	80.0	75.6	4.4	73.8	.82	80.8	82.6	„	0.0					
11 „	.833	.032	79.8	75.0	4.8	73.0	.81	80.8	82.4	WSW	0.0					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Norn.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	C	Mist around hor.	
0	H	"	
0	H	"	
0	H	"	
0	H	A few pieces of clouds in E and W hor.	
0	L	A few patches of clouds in NE and SE hor., moving E.	
3	L	Light scattered about, moving E.	
2	L	Light scattered about, moving SE.	
3	L	" " "	
3	C	" " "	
1	C	Light scattered around hor.	
2	C	Light scattered here and there, moving SE.	
3	C	Light scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°1 and 81°3.
2	H	" " "	
2	H	scattered around hor., moving S.	
2	H	scattered about hor., moving NE.	
6	H	Densely clouded with , moving NE.	
4	L	scattered about, moving N.	
2	L	scattered about; mist in hor.	
2	L	Light scattered around hor.; mist in hor.	
1	L	" " "	
2	C	scattered here and there; mist in hor.	
0	C	A few pieces of light scattered in N above hor.	
0	C	Mist in hor.; otherwise clear.	
0	C	" "	
0	H	Mist around hor.	
0	H	"	
2	H	Light and scattered about, both moving N.	
6	H	Light scattered about, moving NE.	
4	L	Light scattered about, moving ENE.	
4	L	" " "	
3	L	Light scattered about hor., moving E.	
3	L	" " "	
2	C	Light scattered about, moving E.	
2	C	" " "	
1	C	Light scattered around hor., moving SE.	
1	C	Light scattered around hor., moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°3 and 81°5.
2	H	Light scattered about hor., moving NE.	
2	H	" " "	
2	H	" " "	
1	H	Light scattered around hor., moving NE.	
1	L	Light scattered around hor., a few pieces about zth., moving N.	
2	L	Light scattered about, moving N; mist in hor.	
3	L	" " "	
2	L	Light scattered about hor., moving NE; mist in hor.	
2	C	" " "	
2	C	" " "	
0	H	A few light in SE above hor.; mist around hor.	
0	C	Clear.	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
1	H	scattered around hor., except in S.	
1	H	scattered around hor.	
4	H	scattered about, moving NE.	
3	H	" "	
3	H	scattered about hor., moving NE.	
3	H	" "	
4	H	Light scattered about.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.				°					lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 13th–Midnight	29.854	29.001	78·6	76·0	2·6	75·0	0.89	79·2	81·9	W	0·0					
1 a. m.	.835	28.995	78.0	75.5	2.5	74.5	.89	79.0	81.7	„	0·0					
2 „	.826	.983	77.8	75.5	2.3	74.6	.90	79.0	81.5	„	0.0					
3 „	.819	.994	77.6	75.0	2.6	73.9	.89	78.7	81.3	„	0.0					
4 „	.823	.998	77.0	74.8	2.2	73.9	.91	78.2	81.0	„	0.0					
5 „	.834	29.009	77.0	74.8	2.2	73.9	.91	78.2	80.9	„	0.0					
6 „	.855	.030	77.0	74.8	2.2	73.9	.91	78.2	80.7	W b S	0·0					
7 „	.875	.031	80.2	76.2	4.0	74.6	.84	81.0	81.0	„	0·0					
8 „	.907	.061	83.6	77.2	6.4	74.7	.75	83.4	81.5	„	0.1					
9 „	.915	.053	85.0	78.0	7.0	75.2	.74	84.1	81.8	„	0·0		+	1		0.40
10 „	.911	.061	86.1	78.0	8.1	74.8	.70	84.5	82.1	„	0·0		+	1		Above 10m.
11 „	.892	.025	87.2	78.7	8.5	75.5	.69	86.1	82.3	W b N	0.1	None.			None.	
Noon.	.866	28.996	88.5	79.1	9.4	75.6	.67	87.2	82.6	„	0·1					
1 p. m.	.828	.942	89.8	79.8	10.0	76.1	.65	88.8	83.1	W	0.2					
2 „	.803	.937	89.7	79.3	10.4	75.4	.64	88.7	83.3	WNW	0·3		•			
3 „	.778	.897	89.0	79.5	9.5	76.0	.67	87.9	83.4	„	0·5					
4 „	.761	.907	88.8	78.8	10.0	75.0	.65	87.9	83.5	„	0·5					
5 „	.765	.916	86.2	78.0	8.2	74.8	.70	86.0	83.3	„	0.3					
6 „	.779	.956	84.2	76.8	7.4	73.8	.72	84.0	83.1	„	0.3					
7 „	.805	.974	82.8	76.6	6.2	74.1	.76	83.2	83.0	„	0.2		+	1		Above 10m.
8 „	.827	.958	82.2	77.4	4.8	75.5	.81	82.8	82.8	„	0.1					
9 „	.850	.991	81.6	77.0	4.6	75.2	.82	82.2	82.6	W	0.1					
10 „	.856	.975	81.1	77.4	3.7	76.0	.85	82.0	82.5	W b S	0.1		+	1		0.46
11 „	.853	.983	80.6	77.0	3.6	75.6	.85	81.3	82.5	W	0.1					
Apr. 14th–Midnight	.843	.966	80.0	77.0	3.0	75.8	.88	80.9	82.1	W	0.1					
1 a. m.	.825	.963	79.6	76.5	3.1	75.3	.87	80.4	82.0	„	0.1					
2 „	.803	.948	79.2	76.2	3.0	75.0	.88	79.9	81.8	W b N	0.2					
3 „	.797	.948	79.0	76.0	3.0	74.8	.88	79.9	81.8	WNW	0.1					
4 „	.793	.958	78.5	75.5	3.0	74.3	.88	79.4	81.6	„	0.1					
5 „	.804	.965	77.8	75.4	2.4	74.4	.90	78.8	81.5	„	0.0					
6 „	.816	.980	77.4	75.2	2.2	74.3	.91	78.3	81.2	NW b W	0.0					
7 „	.827	.956	79.8	76.8	3.0	75.6	.88	80.8	81.4	„	0.1					
8 „	.856	.973	83.8	78.2	5.6	76.0	.78	83.7	81.8	E b N	0.0					
9 „	.873	29.001	84.1	78.0	6.1	75.6	.77	84.0	82.0	NW b W	0.1					
10 „	.871	.014	85.3	78.1	7.7	75.1	.71	85.1	82.3	„	0.2					
11 „	.864	.021	87.1	78.1	9.0	74.6	.67	86.1	82.5	„	0.2					
Noon.	.841	28.986	88.3	78.7	9.6	75.0	.66	87.1	82.8	WNW	0.3	None.			None.	
1 p. m.	.820	.967	89.6	79.0	10.6	75.0	.63	88.0	83.3	W b N	0.1					
2 „	.803	.949	89.5	79.0	10.5	75.0	.64	88.0	83.5	„	0.2		+	1		Above 10m.
3 „	.786	.921	90.1	79.4	10.7	75.4	.63	88.5	83.7	W	0.2					
4 „	.776	.904	89.0	79.3	9.7	75.6	.66	88.1	83.7	WNW	0.2					
5 „	.774	.911	86.4	78.4	8.0	75.3	.71	85.8	83.6	W	0.1					
6 „	.792	.919	84.0	78.0	6.0	75.7	.77	83.8	83.3	„	0.1					
7 „	.807	.946	82.2	77.2	5.0	75.2	.80	82.8	83.0	„	0.1					
8 „	.830	.966	81.2	77.0	4.2	75.4	.83	81.8	82.8	„	0.0					
9 „	.845	.952	80.4	77.5	2.9	76.4	.88	81.2	82.5	„	0.0					
10 „	.846	29.005	79.7	76.0	3.7	74.5	.85	80.7	82.4	„	0.0					
11 „	.843	28.998	79.4	76.0	3.4	74.7	.86	80.5	82.1	„	0.0		+	1		Above 10m.
Apr. 15th–Midnight	.832	.983	79.0	76.0	3.0	74.8	.88	80.2	82.0	W	0.0					
1 a. m.	.811	.960	78.4	75.9	2.5	74.9	.89	79.7	81.8	„	0.0					
2 „	.796	.945	78.4	75.9	2.5	74.9	.89	79.7	81.7	„	0.1					
3 „	.789	.953	78.4	75.5	2.9	74.3	.88	79.2	81.5	W b N	0.1					
4 „	.789	.970	78.2	75.0	3.2	73.7	.87	79.0	81.5	WNW	0.1					
5 „	.807	.986	78.0	75.0	3.0	73.8	.87	79.0	81.4	NW	0.1	None.	None.	None.	None.	None.
6 „	.815	.987	77.4	75.0	2.4	74.0	.90	78.0	81.0	NW b N	0.0					
7 „	.834	.989	78.6	75.8	2.8	74.7	.88	79.4	81.0	NNW	0.1					
8 „	.863	29.045	81.8	76.0	5.8	73.6	.77	81.7	81.4	„	0.1		•			
9 „	.874	.059	83.9	76.5	7.4	73.5	.72	83.6	81.8	„	0.2					
10 „	.873	.054	85.3	77.0	8.3	73.7	.69	84.4	82.1	NW	0.3					
11 „	.864	.035	86.5	77.6	8.2	74.1	.68	85.5	82.4	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩i cumulo-strati; and ∿i nimbi.	
1	C	Light ∿i scattered around hor., moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 81°5.
1	H	∿i around hor.; dew falling.	
2	H	" "	
1	H	" "	
1	H	" "	
2	L	Light ∿i scattered about, moving SE.	
2	L	Light ∿i scattered about, mist around hor.	
3	L	" "	
2	L	" "	
1	C	Light ∿i scattered here and there, moving S.	
0	C	A few pieces of clouds around hor.	
0	C	Clear.	
0	C	"	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
1	C	Light ∿i scattered about, moving SE.	
1	C	Light ∿i scattered about hor., moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 81°5. The Range of Barometer was 0'099, the smallest in the month; and also the Range of deduced Dew-Point was smallest in the month.
1	H	Light ∿i scattered about hor., moving NE.	
0	H	A few patches of clouds floating NE.	
2	H	Light ∿i scattered about hor., moving NE.	
1	H	" " "	
1	L	Masses of light ∿i around hor., and a few about zth., moving SE.	
1	L	Light ∿i scattered about hor., moving E; mist in hor.	
3	L	Light ∿i scattered about, moving E; mist in hor.	
3	L	" " "	
2	C	Light ∿i scattered about hor.	
2	C	Light ∿i scattered about hor., moving SE.	
1	C	Masses of ∿i along W hor.	
0	C	A few patches of clouds in SW above hor.	
0	H	Light mist along E hor.	
0	H	Clear.	
0	H	"	
0	H	A few pieces of clouds along W hor.	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
1	C	Light ∿i scattered about hor. from NW to SE; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 81°7.
2	H	∿i scattered around hor., moving E; dew falling.	
2	H	∿i scattered about hor., moving SE; dew falling.	
2	H	" " "	
3	H	∿i scattered about, moving SE; dew falling.	
5	L	Light ∿i scattered about.	
2	L	Light ∿i scattered around hor.	
2	L	" "	
2	L	" "	
2	C	" "	
1	C	Patches of ∿i along W hor.	
1	C	" "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 15th–Noon.	29.860	29.026	87°5	78°0	9°5	75°0	0.66	86°2	82°5	NW	0.3					
1 p. m.	.827	28.975	89.0	78.8	10.2	74.9	.64	87.6	83.0	W	0.2					
2 „	.802	.945	89.3	79.0	10.3	75.1	.64	87.8	83.3	„	0.3					
3 „	.778	.921	88.9	78.9	10.0	75.1	.65	87.4	83.4	„	0.3					
4 „	.768	.931	88.4	78.3	10.1	74.4	.64	87.2	83.5	„	0.3					
5 „	.766	.908	85.4	78.0	7.4	75.1	.72	85.0	83.2	„	0.2	None.			None.	
6 „	.785	.947	82.8	76.8	6.0	74.4	.77	82.7	83.0	W b N	0.2					
7 „	.794	.956	81.4	76.4	5.0	74.4	.80	81.9	82.6	„	0.1					
8 „	.820	.969	81.0	76.6	4.4	74.9	.82	81.4	82.5	„	0.2					
9 „	.845	.997	80.5	76.4	4.1	74.8	.84	81.0	82.3	WNW	0.1					
10 „	.860	.998	80.3	76.7	3.6	75.3	.85	80.8	82.0	„	0.1		+	1		Above 10m.
11 „	.855	.984	80.2	76.9	3.3	75.6	.86	80.8	82.0	„	0.2		+	1		Above 10m.
Apr. 16th–Midnight	.833	.976	80.0	76.5	3.5	75.1	.86	80.7	82.0	WNW	0.2		+	1		Above 10m.
1 a. m.	.817	.960	79.6	76.4	3.2	75.1	.87	80.2	81.9	NW	0.2		+	1		Above 10m.
2 „	.807	.978	79.4	75.6	3.8	74.1	.84	80.1	81.8	„	0.1					
3 „	.803	.987	79.2	75.2	4.0	73.6	.84	80.0	81.5	„	0.6					
4 „	.801	.972	79.0	75.5	3.5	74.1	.86	80.0	81.4	„	0.8					
5 „	.833	29.001	78.4	75.4	3.0	74.2	.87	79.2	81.3	NNW	0.0					
6 „	.865	.001	79.0	76.4	2.6	75.4	.89	79.4	81.3	E	0.3					
7 „	.889	.027	81.4	77.0	4.4	75.3	.82	81.8	81.4	„	0.3					
8 „	.915	.066	84.0	77.4	6.6	74.8	.75	83.5	81.4	„	0.1					
9 „	.931	.087	85.5	77.7	7.8	74.6	.71	84.5	82.2	„	0.1					
10 „	.928	.081	86.4	78.0	8.4	74.7	.69	85.1	82.4	SW b W	0.1					
11 „	.921	.058	88.0	78.8	9.2	75.3	.67	87.2	82.7	W	0.1	None.			None.	
Noon.	.901	.023	89.3	79.5	9.8	75.9	.66	88.1	83.0	WSW	0.2					
1 p. m.	.868	28.977	90.1	80.0	10.1	76.3	.65	89.2	83.4	W b S	0.3					
2 „	.841	.976	90.5	79.5	11.0	75.4	.63	89.2	83.7	„	0.3					
3 „	.817	.966	89.8	79.0	10.8	74.9	.63	88.4	83.9	W	0.5					
4 „	.810	.948	88.8	79.0	9.8	75.3	.66	88.2	83.8	„	0.3					
5 „	.812	.948	85.6	78.2	7.4	75.4	.72	85.5	83.5	W b N	0.4					
6 „	.820	.957	83.4	77.6	5.8	75.3	.78	83.5	83.2	WNW	0.4					
7 „	.827	.943	82.4	77.8	4.6	76.1	.82	82.9	83.0	„	0.5					
8 „	.832	.956	81.6	77.4	4.2	75.8	.83	82.5	82.8	„	0.5					
9 „	.858	.968	81.3	77.7	3.6	76.3	.85	82.1	82.6	„	0.3					
10 „	.869	.983	81.0	77.5	3.5	76.1	.86	81.8	82.5	NW b W	0.2					
11 „	.847	.961	81.0	77.5	3.5	76.1	.86	81.6	82.4	„	0.4					
Apr. 17th–Midnight	.841	.971	80.6	77.0	3.6	75.6	.85	81.5	82.4	NW b W	0.4					
1. a. m.	.829	.974	80.2	76.5	3.7	75.0	.85	81.0	82.4	„	0.5					
2 „	.829	.969	79.8	76.5	3.3	75.2	.86	80.2	82.0	NNW	0.3					
3 „	.825	29.001	78.5	75.2	3.3	73.9	.86	79.2	81.6	„	0.3					
4 „	.825	.001	77.7	75.0	2.7	73.9	.89	78.4	81.4	„	0.1					
5 „	.837	.029	77.8	74.6	3.2	73.3	.87	78.6	81.4	„	0.1					
6 „	.857	.057	78.2	74.5	3.7	73.0	.85	78.8	81.3	E	0.1					
7 „	.877	.098	81.8	75.0	6.8	72.1	.74	82.0	81.6	„	0.1					
8 „	.896	.134	83.4	75.0	8.4	71.4	.68	83.2	81.8	„	0.1					
9 „	.917	.1[illegible]	86.7	77.0	9.7	73.1	.65	86.1	82.3	S	0.1					
10 „	.913	.071	88.8	78.5	10.3	74.6	.64	87.7	82.9	„	0.2					
11 „	.886	.092	89.4	77.5	11.9	72.8	.59	88.8	83.1	WSW	0.1	None.	None.	None.	None.	None.
Noon.	.863	28.974	90.6	80.1	10.5	76.3	.64	89.2	83.5	W	0.2					
1 p. m.	.843	.998	90.7	79.1	11.6	74.7	.61	90.0	83.9	WSW	0.3					
2 „	.817	.992	90.3	78.5	11.8	73.9	.60	89.2	84.0	W	0.3					
3 „	.799	.968	89.3	78.5	11.3	74.1	.61	89.0	84.0	„	0.4					
4 „	.780	.960	88.8	78.0	10.8	73.7	.62	88.2	84.0	W b N	0.3					
5 „	.774	.936	85.7	77.6	8.1	74.4	.70	86.2	83.8	WNW	0.3					
6 „	.786	.943	83.5	77.1	6.4	74.6	.76	83.6	83.4	„	0.3					
7 „	.805	.974	82.0	76.4	5.6	74.1	.78	82.7	83.0	„	0.1					
8 „	.831	29.008	81.4	76.0	5.4	73.8	.79	82.2	83.0	„	0.0					
9 „	.860	.026	80.4	76.0	4.4	74.3	.82	81.2	82.7	„	0.0					
10 „	.883	.048	80.6	76.1	4.5	74.3	.82	81.6	82.5	SW b W	0.1					
11 „	.889	.023	81.0	77.0	4.0	75.4	.84	82.1	82.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∿ cumulo-strati; and ≀∿ nimbi.	
0	C	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
1	C	Light ≀∿ in N, NE, E, and W hor., moving SE.	
3	C	Light ≀∿ scattered about, moving SE.	
3	C	Light ≀∿ scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°6 and 81°8. The height of Barometer at 9 A. M. was the highest in the month, and about 0·075, higher than the Normal Mean.
2	H	Light ≀∿ scattered about hor.	
3	H	Light ≀∿ scattered about.	
3	H	" "	
5	H	" "	
6	L	" "	
2	L	Light masses of ≀∿ scattered about, moving NW; mist around hor.	
1	L	Light ≀∿ and mist around hor.	
0	L	A few ≀∿ along W hor.	
0	C	A few masses of ≀∿ in W, NW, and N hor.	
0	C	A few masses of ≀∿ along W hor.	
0	C	A few masses of ≀∿ in NW and N hor.	
0	C	Clear.	
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	A few ∿ above E hor.; otherwise clear.	
0	L	" "	
0	L	Clear.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°6 and 81°9.
0	H	"	
0	H	"	
0	H	"	
0	H	"	
0	L	A few patches of ≀∿ along E hor.	
1	L	≀∿ scattered about hor. from NE to SW; mist in hor.	
5	L	≀∿ scattered about, moving NE.	
1	L	≀∿ scattered about zth., moving NE.	
0	C	A few ∿ in SW hor.; otherwise clear.	
0	C	Clear.	
0	C	"	
1	C	Light ∿ scattered along E hor.	
1	H	" "	
1	H	" "	
1	H	" "	
1	H	" "	
1	C	∩≀ in ESE hor.; ∿ scattered along E hor.	
1	C	∩≀ and ∿ along E hor. as before.	
0	C	A few clouds along E hor.; lightning in ESE, observed at 7h. 14m.	
0	C	A few clouds in E hor.; lightning in SE at intervals of about 2m.	
0	C	A few clouds in hor.; lightning in SE hor.	
1	C	Electrical clouds along E hor.; lightning in E and SE hor.	
3	C	Patches of ≀∿ scattered about, moving E.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 19th-Midnight	29.847	28.981	81°0	77°0	4°0	75°4	0.84	82°2	82°5	WSW	0.0					
1 a. m.	.821	.972	80.4	76.4	4.0	74.8	.84	81.2	82.5	W	0.0					
2 „	.801	.959	79.6	76.0	3.6	74.6	.85	80.5	82.2	WNW	0.0					
3 „	.789	.914	80.2	77.0	3.2	75.8	.87	81.0	82.2	N	0.1					
4 „	.779	.864	80.2	78.0	2.2	77.2	.91	81.0	82.1	NNE	0.1					
5 „	.804	.923	79.6	77.0	2.6	76.0	.89	80.2	82.0	„	0.1					
6 „	.826	.952	78.9	76.6	2.3	75.7	.90	80.1	81.8	NE b N	0.0					
7 „	.849	.980	82.6	77.5	5.1	75.5	.80	82.7	82.0	NE	0.0					
8 „	.875	29.028	84.6	77.5	7.1	74.7	.73	85.2	82.6	ENE	0.0					
9 „	.888	28.977	85.8	79.6	6.2	77.0	.77	86.2	83.0	S b E	0.0					
10 „	.889	.978	88.2	80.0	8.2	77.9	.70	88.2	83.3	„	0.0					
11 „	.869	.961	89.2	80.2	9.0	76.9	.68	88.2	83.6	NW	0.1					
Noon.	.852	.905	90.4	81.4	9.0	78.2	.68	89.4	84.0	„	0.3					
1 p. m.	.816	.914	91.0	80.5	10.5	76.7	.64	90.2	84.4	WNW	0.2	None.	None.	None.	None.	None.
2 „	.789	.892	91.5	80.5	11.0	76.5	.63	90.4	84.6	„	0.3					
3 „	.763	.875	90.4	80.0	10.4	76.2	.64	89.9	84.8	W	0.3					
4 „	.761	.855	88.6	80.0	8.6	76.8	.69	88.4	84.6	SW	0.5					
5 „	.771	.825	85.0	80.0	5.0	78.2	.81	85.3	84.1	SW b W	0.7					
6 „	.819	.899	83.5	79.0	4.5	77.3	.82	84.1	83.8	WSW	0.1					
7 „	.821	.928	82.2	78.0	4.2	76.4	.83	82.9	83.5	„	0.1					
8 „	.822	.948	81.8	77.4	4.4	75.7	.83	82.7	83.4	W	0.2					
9 „	.822	.927	82.0	78.0	4.0	76.5	.84	83.0	83.3	WSW	0.1					
10 „	.838	.983	82.0	77.0	5.0	75.0	.80	83.0	83.2	W	0.1					
11 „	.835	29.054	81.6	75.0	6.6	72.2	.74	82.7	83.0	W b N	0.1					
Apr. 20th-Midnight	.830	28.997	81.2	76.2	5.0	74.2	.80	82.2	82.8	NNE	0.1					
1 a. m.	.822	.973	82.5	77.0	5.5	74.8	.79	83.2	83.0	„	0.1					
2 „	.792	.917	82.0	77.5	4.5	75.8	.82	82.8	82.8	„	0.1					
3 „	.788	.920	80.8	77.0	3.8	75.5	.85	81.6	82.7	„	0.0					
4 „	.774	.899	80.2	77.0	3.2	75.8	.87	81.2	82.5	„	0.0					
5 „	.788	.909	80.6	77.2	3.4	75.9	.86	81.7	82.5	„	0.0	+	2		2.40	
6 „	.796	.930	81.0	77.0	4.0	75.4	.84	82.0	82.5	N b E	0.0	+	5	5	1.50	
7 „	.812	.957	82.0	77.0	5.0	75.0	.80	82.9	82.5	N	0.0	+	2		4.00	
8 „	.836	.928	84.6	79.0	5.6	76.9	.79	84.9	82.8	NW	0.3	+	1		Above 10m.	
9 „	.842	.866	87.8	81.4	6.4	79.2	.77	87.8	83.4	NNW	0.4					
10 „	.844	.886	89.4	81.4	8.0	78.6	.71	89.4	83.9	NW	0.4					
11 „	.834	.934	89.2	80.0	9.2	76.6	.63	89.0	84.1	„	0.5					
Noon.	.811	.896	88.6	80.2	8.4	77.3	.70	88.5	84.3	„	0.5					
1 p. m.	.791	.965	89.4	78.3	11.1	74.0	.62	89.0	84.5	W	0.3	None.				
2 „	.762	.930	87.0	77.8	9.2	74.2	.67	87.4	84.5	„	0.3					
3 „	.744	.846	87.5	79.5	8.0	76.5	.71	87.9	84.5	„	0.3					
4 „	.743	.853	90.2	80.0	10.2	76.3	.65	90.0	84.9	NW	0.3					
5 „	.743	.874	88.2	79.0	9.2	75.5	.67	88.2	84.9	NW b W	0.3					
6 „	.754	.815	85.6	80.0	5.6	78.0	.79	86.0	84.5	„	0.2					
7 „	.783	.910	84.0	78.0	6.0	75.7	.77	84.2	84.0	„	0.3					
8 „	.799	.834	83.2	80.0	3.2	78.8	.87	83.9	83.9	„	0.2					
9 „	.817	.847	82.8	80.0	2.8	79.0	.89	83.5	83.8	„	0.1					
10 „	.825	.859	82.4	79.8	2.6	78.9	.89	83.4	83.7	„	0.1					
11 „	.848	.895	82.0	79.4	2.6	78.4	.89	83.2	83.6	„	0.0					
Apr. 21st-Midnight	.810	.821	81.8	80.2	1.6	79.6	.93	83.0	83.3	WNW	0.2					
1 a. m.	.805	.819	81.4	80.0	1.4	79.5	.94	82.2	83.3	„	0.1					
2 „	.762	.774	81.2	80.0	1.2	79.6	.95	82.2	83.2	NW	0.2					
3 „	.752	.771	81.8	80.0	1.8	79.3	.93	82.4	83.1	NE	0.2					
4 „	.782	.876	81.0	78.0	3.0	76.8	.88	82.0	83.0	„	0.2		+	4		2.00
5 „	.811	.937	82.1	77.5	4.6	75.7	.82	82.9	83.0	ESE	0.2	Immeasurable.	+	Out of Sc.	Out of Sc.	Instantly.
6 „	.809	29.198	86.5	71.9	14.6	64.7	.50	88.0	83.3	E b N	1.5		+	Out of Sc.	Out of Sc.	Instantly.
7 „	.832	.300	89.4	70.6	18.8	60.5	.39	90.7	83.3	NE	0.4		+	Out of Sc.	Out of Sc.	Instantly.
8 „	.860	.287	87.0	71.0	16.0	62.7	.46	86.3	83.9	S	0.1		+	Out of Sc.	Out of Sc.	Instantly.
9 „	.874	.130	86.0	75.3	10.7	70.7	.62	86.6	83.6	E	0.1		+	Out of Sc.	Out of Sc.	Instantly.
10 „	.888	.324	89.8	71.6	18.2	62.2	.42	89.8	84.2	SW	0.2		+	Out of Sc.	Out of Sc.	Instantly.
11 „	.877	.006	91.2	79.8	11.4	75.6	.61	90.7	84.7	W	0.1		+.	4		3.20

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀ nimbi.	
4	C	≀ scattered about, moving NW; lightning in NE hor. every 5m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°6 and 81°9.
2	H	≀ scattered in S hem., moving NE; lightning in SW every 5m.	
3	H	Patches of ≀ scattered about, moving NE.	
0	H	Clear, except in hor.	
0	H	" "	
2	C	≀ scattered about hor. and in NE.	
4	C	≀ scattered about, moving ENE.	
4	C	≀ scattered about hor., moving NNE; light ≀ about zth.	
4	C	≀ scattered about; light ≀ in S and W hor.	
6	L	≀ scattered throughout, moving NE.	
5	L	" "	
4	L	≀ scattered about.	
2	L	"	
5	H	≀ scattered about hor.	
6	H	⌣ along E hor., ≀ scattered throughout.	
6	H	∩ along E hor.; ≀ scattered throughout.	
6	H	" "	
7	C	" " [around hor., moving SSE.	
7	C	∩ along E hor.; ≀ scattered throughout, moving N; a few masses of ≀	
5	C	∩ along E hor.; ≀ and ≀ scattered throughout, former moving N and	
4	C	≀ scattered about zth. [latter SSE.	
6	L	≀ and ≀ scattered about, former moving N.	
7	L	" "	
6	L	Clouded with ≀, moving N.	
5	L	≀ scattered about hor., moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 82°0. The Range of the Temperature of Air was 10°0, the smallest during the month.
3	H	" "	
2	H	" "	
1	H	Patches of ≀ scattered along E hor.	
2	H	≀ and ≀ scattered about hor. from NE to SW, former moving N.	
8	C	Overcast with ≀ and ≀, latter moving N.	
8	C	Overcast with ≀ and ≀, former moving N and latter S.	
7	C	≀ in E hem.; ≀ scattered throughout; light mist in hor.	
6	C	" " "	
5	L	Dense ≀ scattered throughout, moving N.	
7	L	A few patches of ≀ in E, moving NE; ≀ scattered throughout.	
6	L	A few patches of ≀ in NE; otherwise clouded with ≀.	
6	L	≀ scattered throughout.	
7	H	∩ in N and NE hor.; ≀ scattered throughout.	
7	H	∩ along E hor.; light ≀ and ≀ scattered throughout, both moving N.	
6	H	∩ and ⌣ along E; light ≀ and ≀ scattered throughout, both moving N.	
4	H	∩ along E hor.; ≀ and ≀ scattered about, former moving N.	
3	C	∩ along E hor.; ≀ in E, moving N; ≀ scattered about.	
4	C	∩ along E hor.; ≀ and ≀ scattered about, moving N.	
3	C	∩ along E hor.; ≀ and ≀ scattered about, moving N; lightning in E.	
1	C	∩ along E hor.; ≀ in W above hor.; lightning in E every 3m.	
1	L	Patches of ≀ around hor.	
1	L	≀ scattered along E hor.	
1	L	≀ and ≀ around hor.; a few patches of ≀ about zth., moving N.	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 82°1. Maximum Tension of Electricity by Henly's Apparatus 32·0. Maximum length of Spark by Ronald's Measure 0·40.
0	H	A few masses of ≀ in E, moving SE.	
3	H	≀ scattered about hor., moving NE; lightning in ESE every 3m; drops of rain at 2h. 53m.	
7	H	Densely clouded with ≀, moving N; rain falling; lightning in E; thunder in ENE from 3h. 19m.	
7	H	Densely clouded; lightning in ENE, E, and S; thunder in ENE.	
8	C	Overcast; lightning around hor.; thunder in ENE of zth; large drops of rain.	
8	C	Overcast with ≀, moving NW; lightning in SE; thunder NE of zth.; large drops of rain.	
8	C	Overcast with ≀, moving N; lightning and thunder about zth. every 2m.; drops of rain.	
8	C	Overcast; breaks in NE; drizzling rain from 8h. 46. to 8h. 55m.	
8	L	Nearly overcast with ≀, moving NW; ∩ along E hor.	
8	L	∩ along E hor.; overcast with ≀, moving N; drops of rain now and then.	
7	L	∩ in hor. from NW to E; ≀ in W hem.; dense ≀ in E hem.; ≀ moving NW.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the normal degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 21st–Noon.	29.864	28.974	91°4	80°3	11°1	76°3	0.62	91°4	85°1	NNW	0.2		+	1		Above 10m.
1 p. m.	.857	.927	90.0	80.9	9.1	77.7	.68	89.7	85.1	NW b W	0.2					
2 „	.833	.956	89.8	79.6	10.2	75.8	.65	90.0	85.1	NW b N	0.2					
3 „	.817	.896	91.3	81.0	10.3	77.4	.65	90.9	85.5	„	0.2		+	1		Above 10m.
4 „	.799	.889	90.2	80.5	9.7	77.0	.66	90.4	85.5	NNW	0.3		+	1		Above 10m.
5 „	.801	.995	88.6	77.6	11.0	73.2	.62	88.3	85.3	„	0.2					
6 „	.810	.986	86.3	77.4	8.9	73.9	.67	86.4	85.0	„	0.1				None.	
7 „	.850	29.080	84.8	75.6	9.2	71.8	.66	85.7	84.5	N	0.1					
8 „	.867	.117	84.8	75.1	9.7	71.0	.65	85.4	84.4	NNW	0.1					
9 „	.873	.122	84.4	75.0	9.4	71.0	.65	85.4	84.3	„	0.1					
10 „	.875	.107	85.0	75.6	9.4	71.7	.65	85.8	84.2	„	0.2					
11 „	.883	.087	85.2	76.4	8.8	72.8	.68	85.5	84.2	„	0.0					
Apr. 22nd–Midnight	.877	.096	81.0	74.8	6.2	72.2	.76	81.8	83.7	NNW	0.1	0.07	−	Out of Sc.	50	0.10
1 a. m.	.875	.040	82.0	76.5	5.5	74.3	.78	82.6	83.5	NE	0.0	0.02	+			Above 10m.
2 „	.865	.141	81.0	73.3	7.7	69.9	.70	82.2	83.4	NNW	0.0					
3 „	.855	.117	80.4	73.5	6.9	70.5	.73	81.7	83.0	„	0.0					
4 „	.849	28.992	81.8	77.0	4.8	75.1	.81	82.4	83.0	„	0.2					
5 „	.861	29.006	82.0	77.0	5.0	75.0	.80	82.8	83.0	„	0.1					
6 „	.885	.018	82.0	77.3	4.7	75.5	.81	82.8	83.0	NE	0.1		+	9	9	
7 „	.899	.023	85.7	78.5	7.2	75.8	.73	85.5	83.4	E	0.1		+	1		
8 „	.914	.102	87.0	77.3	9.7	73.4	.65	87.5	83.7	N	0.1					
9 „	.914	.115	90.0	77.8	12.2	73.0	.58	90.2	84.3	N b W	0.1					
10 „	.916	.042	92.4	80.2	12.2	75.7	.59	91.3	85.0	NNW	0.2					
11 „	.909	28.889	92.9	83.6	9.3	80.6	.68	92.0	85.2	NW	0.1		+	3		
Noon.	.891	.943	92.8	82.0	10.8	78.3	.64	92.2	85.5	„	0.2					
1 p. m.	.865	.919	93.0	82.0	11.0	78.2	.63	92.2	85.7	„	0.5					
2 „	.841	.943	93.4	81.0	12.4	76.6	.59	92.9	86.0	„	0.4					
3 „	.819	.867	93.3	82.2	11.1	78.4	.63	92.4	86.4	NW b N	0.6					
4 „	.809	.838	92.8	82.5	10.3	79.0	.65	92.7	86.5	„	0.4					
5 „	.819	.823	91.2	82.7	8.5	79.8	.70	91.1	86.4	„	0.3					
6 „	.839	.845	88.5	82.0	6.5	79.8	.76	88.9	86.0	W b N	0.1					
7 „	.878	.896	85.6	81.0	4.6	79.4	.82	86.2	85.7	SE b S	0.1					
8 „	.882	.922	85.8	80.3	4.7	78.7	.82	86.1	85.5	NW	0.1					
9 „	.876	.893	84.8	80.8	4.0	79.4	.84	85.6	85.3	„	0.1					
10 „	.872	.915	84.0	80.0	4.0	78.6	.84	85.0	85.1	„	0.1					
11 „	.868	.907	83.6	80.0	3.6	78.7	.86	84.2	84.9	„	0.1					
Apr. 23rd–Midnight	.849	.881	83.0	80.0	3.0	78.9	.88	84.0	84.8	NW	0.1					
1 a. m.	.839	.867	82.6	80.0	2.6	79.1	.90	83.2	84.5	„	0.1					
2 „	.812	.822	82.6	80.4	2.2	79.4	.91	83.2	84.4	„	0.3					
3 „	.812	.837	82.4	80.0	2.4	79.2	.90	83.0	84.4	„	0.1					
4 „	.812	.837	82.4	80.0	2.4	79.2	.90	83.0	84.2	„	0.3					
5 „	.831	.904	81.8	78.7	3.1	77.6	.87	82.8	84.0	N	0.2					
6 „	.850	.968	81.0	77.4	3.6	76.0	.85	82.1	83.8	NE b N	0.0					
7 „	.873	.982	85.4	78.8	6.6	76.3	.75	84.7	83.9	NE b E	0.0					
8 „	.890	.940	87.0	80.6	6.4	78.3	.76	87.0	84.5	E	0.1					
9 „	.889	29.148	88.8	76.0	12.8	70.6	.56	89.7	84.8	NE	0.1					
11 „	.879	28.983	91.2	80.4	10.8	76.5	.63	90.8	85.4	S b W	0.1					
10 „	.857	.974	91.6	80.2	11.4	76.0	.62	91.2	85.6	NW b N	0.1	None.	None.	None.	None.	None.
Noon.	.827	.863	93.8	82.6	11.2	78.8	.63	92.6	85.9	NW	0.2					
1 p. m.	.788	.793	91.7	82.8	8.9	79.8	.69	90.8	86.1	WNW	0.3					
2 „	.761	.798	91.4	82.0	9.4	78.8	.67	90.7	86.2	NW	0.5					
3 „	.740	.800	91.6	81.5	10.1	78.0	.66	91.2	86.3	„	0.6					
4 „	.723	.801	91.2	81.0	10.2	77.4	.65	91.4	86.5	NW b N	0.4					
5 „	.713	.792	89.6	80.6	9.0	77.4	.68	90.1	86.4	NNW	0.3					
6 „	.731	.806	87.6	80.3	7.3	77.7	.73	88.1	86.0	NW b N	0.4					
7 „	.740	.807	86.2	80.0	6.2	77.8	.77	86.7	85.8	„	0.4					
8 „	.755	.816	85.6	80.0	5.6	78.0	.79	86.2	85.5	NW	0.2					
9 „	.764	.799	85.2	80.5	4.7	78.8	.82	86.2	85.5	„	0.2					
10 „	.781	.835	85.0	80.0	5.0	78.2	.81	85.5	85.4	„	0.1					
11 „	.770	.798	84.2	80.4	3.8	79.1	.85	85.2	85.3	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
7	L	∩ from E to SW hor.; densely clouded with ≀∪, moving E; ≀ scattered about hor. from E to SW.	
7	H	∩ and ∪ along E hor.; otherwise clouded with ≀∪, moving N.	
7	H	∩ and ∪ along E hor.; ≀≀ and ≀∪ scattered throughout, both moving N.	
4	H	∩ in E hor.; ≀≀ and ≀ scattered about, former moving N.	
5	H	∩ and ∪ along E hor.; ≀ scattered about.	
3	C	∩ along E hor.; a few patches of ≀≀ in SE; ≀ scattered about.	
2	C	∩ along E hor.; ≀ and ≀≀ scattered about, moving N.	
4	C	∩ along E hor.; ≀ and ≀≀ scattered about, latter moving N; lightning in E from 7h. 37m.	
3	C	∩ along E hor.; ≀≀ in W and N, moving N; lightning in E every 2m.	
1	L	≀≀ scattered about hor. from N to SE.	
7	L	Densely clouded with ≀∪, moving NE; a few ≀ in W.	
7	L	≀∪ scattered throughout, moving NE; lightning and thunder about zth. from 11h. 18m.; rain at 11h. 20m.	
8	L	Densely clouded with ≀∪, moving NE; lightning and thunder in NNW every 2m.; rain ceased 0h. 20m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 82°1. Daily fall of rain by Osler's Gauge, 0.10. Maximum Tension of Electricity by Henly's Apparatus 4.0. Maximum Length of Spark by Ronald's Measure 0·05.
7	H	Densely clouded as before; lightning in W at intervals of more than 15m.	
6	H	≀∪ scattered throughout, moving N; lightning in SW for more than 15m.	
5	H	≀∪ scattered about; lightning in SE.	
5	H	≀∪ scattered about; lightning in ESE.	
7	C	≀∪ scattered throughout; lightning in ESE.	
5	C	≀∪ scattered throughout, except about zth.	
5	C	≀∪ scattered about.	
3	C	"	
2	L	≀≀ scattered about hor.	
1	L	≀≀ scattered around hor.	
1	L	≀≀ and ≀ scattered around hor.	
1	L	" "	
1	H	∩ from N to E hor.; patches of ≀≀ above NE hor.	
1	H	" " "	
1	H	" " "	
1	H	∩ in hor. from N to E.	
1	C	" "	
1	C	∩ from N to E hor.; ∪ above NE hor.; patches of ≀≀ above E hor.	
1	C	∩ along E hor.; patches of ≀≀ above E hor.	
1	C	∩ along E hor.; otherwise cloudless.	
1	H	≀≀ and ≀ along E; a few patches of clouds in zth., moving NW.	
0	L	A few ≀ above E hor.; otherwise cloudless.	
0	L	Clear, except in hor.	
0	L	A few ≀ above NE and E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 82°2.
1	H	≀≀ scattered in N and E of zth.; dew falling.	
0	H	A few pieces of ≀≀ about zth.; dew falling.	
0	H	Clear, except in hor.; dew falling.	
0	H	A few ≀ in E hor.; dew falling.	
1	C	≀≀ scattered about hor. from NE to SW.	
4	C	≀≀ scattered about, moving W.	
3	C	" "	
2	C	≀≀ scattered about hor.	
4	L	≀≀ scattered about, moving W.	
4	L	" "	
5	L	≀≀ above SW and W hor.; ≀≀ scattered about, both moving N.	
5	L	≀≀ and ≀≀ scattered about, except in W, NW, and N.	
5	H	∩ along E hor.; ≀≀ and ≀≀ scattered about, both moving N.	
5	H	" " "	
3	H	∩ along E hor.; ≀≀ above SW hor.; and ≀ above NW and W hor.	
2	H	∩ along E hor.; ≀ scattered in SW, W, and NNW.	
2	C	∩ along E hor.; ≀ scattered around hor.	
3	C	∩ along E hor.; ≀≀ around hor.	
3	C	∩ along E hor.; ≀≀ scattered in E hem., moving WNW.	
2	C	≀≀ scattered about hor.; from N to S.	
5	L	≀≀ scattered about, moving W.	
5	L	≀≀ scattered about, moving NW.	
6	L	" "	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced. Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr.24th-Midnight	29.759	28.844	84°0	79°0	5°0	77°2	0.81	85°0	85°1	NW	0.2	.				
1 a. m.	.747	.838	83·8	78.8	5.0	76.9	.81	84.2	85.1	„	0.0	.				
2 „	.714	.854	83·4	77.5	5.9	75.2	.77	84.0	84.5	„	0.2					
3 „	.704	.945	83.6	75.0	8.6	71.3	.68	84.4	84.4	„	0.2					
4 „	.711	29.018	83.5	73.2	10.3	68.5	.62	84.2	84.3	„	0.1					
5 „	.728	28.897	84.2	77.0	7.2	74.1	.73	84.3	84.3	„	0.0					
6 „	.755	29.062	82.4	72.9	9.5	68.6	.65	83.1	84.1	„	0.0					
7 „	.781	.102	84.0	73.0	11.0	67.9	.60	84.7	84.1	„	0.0					
8 „	.808	.051	88.3	76.0	12.3	71.2	.57	87.4	84.6	„	0.0					
9 „	.809	28.948	91.2	79.8	11.4	75.2	.61	90.0	85.3	„	0.1					
10 „	.795	.906	92.6	80.6	12.0	76.3	.60	91.7	85.6	„	0.2					
11 „	.780	.871	92.4	81.0	11.4	76.9	.62	91.6	85.8	NW b W	0·2	None.	None	None.	None.	None.
Noon.	.750	.876	91.6	80.0	11.6	75.7	.61	90.8	85.8	„	0.5					
1 p. m.	.727	.881	93.0	79.7	13.3	74.7	.57	91.2	86.3	„	0.2					
2 „	.700	.886	93.2	79.0	14.2	73.5	.54	92.5	86.5	NW	0.4					
3 „	.675	.818	93.9	80.2	13.7	75.1	.56	92.9	87.0	NW b W	0.4					
4 „	.654	.788	92.4	80.0	12.4	75.4	.59	92.2	86.7	NW	0.6					
5 „	.655	.890	90.2	77.0	13.2	71.6	.56	90.6	86.5	„	0.5					
6 „	.668	.816	87.4	78.4	9.0	74.9	.68	87.6	86.1	„	0.4					
7 „	.682	.745	85.8	80.0	5.8	77.9	.78	86.2	85.7	„	0.5					
8 „	.707	.789	85.2	79.4	5.8	77.3	.78	85.8	85.6	NW b N	0.2					
9 „	.725	.819	84.8	79.0	5.8	76.8	.78	85.8	85.5	NNW	0.1					
10 „	.715	.796	84.4	79.2	5.2	77.3	.80	85.2	85.4	„	0.1					
11 „	.709	.866	83.8	77.2	6.6	74.6	.75	84.8	85.2	„	0.1					
Apr.26th-Midnight	.691	.862	82·2	76.4	5.8	74.1	.77	83.0	84.4	NNW	0.2					
1 a. m.	.684	.829	82.0	77.0	5.0	75.0	.80	82.7	84.1	„	0.1					
2 „	.664	.852	81.6	75.8	5.8	73.4	.77	82.2	84.0	„	0.1					
3 „	.665	.834	80.6	76.0	4.6	74.1	.82	81.5	83.7	NNE	0.1					
4 „	.672	.913	80.2	74.0	6.2	71.3	.75	81.2	83.5	„	0.1					
5 „	.694	.935	80.2	74.0	6.2	71.3	.75	81.1	83.2	„	0.1					
6 „	.716	.988	79.6	73.0	6.6	70.0	.74	80.5	83.1	„	0.0					
7 „	.738	29.017	83.6	74.0	9.6	69.7	.65	84.1	83.5	„	0.0					
8 „	.767	.088	87.8	74.1	13.7	67.9	.55	87.4	84.0	„	0.1					
9 „	.775	.008	90.0	77.0	13.0	71.6	.56	8.99	84.5	N b W	0.0					
10 „	.777	28.919	90.8	79.4	11.4	75.1	.61	90.0	84.9	NW	0.1					
11 „	.768	.883	91.4	80.2	11.2	76.1	.62	90.2	85.2	W	0.1	None.	None.	None.	None.	None.
Noon.	.757	.844	92.0	81.0	11.0	77.1	.63	90.7	85.5	W b S	0.1					
1 p. m.	.731	.814	93.2	81.4	11.8	77.3	.61	91.2	86.0	WSW	0.2					
2 „	.725	.775	92.6	82.0	10.6	78.3	.64	91.2	86.1	„	0.3					
3 „	.709	.801	90.4	80.5	9.9	76.9	.66	90.0	86.1	„	0.3					
4 „	.703	.774	91.4	81.2	10.2	77.6	.65	90.8	86.2	W	0.3					
5 „	.698	.745	88.3	81.0	7.3	78.4	.73	88.2	86.0	„	0.2					
6 „	.712	.759	85.6	80.3	5.3	78.4	.80	86.0	85.5	„	0.2					
7 „	.732	.790	83.9	79.6	4.3	78.1	.84	84.7	85.1	„	0.1					
8 „	.748	.803	83.2	79.5	3.7	78.2	.85	84.0	85.0	WNW	0.1					
9 „	.759	.789	82.8	80.0	2.8	79.0	.89	83.9	84.8	„	0.1					
10 „	.765	.793	82.6	80.0	2.6	79.1	.90	83.7	84.7	„	0.0					
11 „	.760	.791	82.2	79.8	2.4	79.0	.90	83.2	84.6	„	0.0					
Apr.27th-Midnight	.758	.785	81.8	79.8	2.0	79.1	.92	82.8	84.4	NE b N	0.0					
1 a. m.	.734	.800	80.4	78.5	1.9	77.7	.92	81.8	84.0	NE	0.0					
2 „	.730	.778	80.6	79.0	1.6	78.4	.93	81.8	83.9	„	0.0					
3 „	.730	.777	80.5	79.0	1.5	78.4	.94	81.7	83.7	„	0.0					
4 „	.728	.792	80.2	78.5	1.7	77.9	.93	81.2	83.5	„	0.0					
5 „	.753	.842	79.4	77.7	1.7	77.0	.93	80.5	83.3	NW b N	0.0					
6 „	.770	.846	79.7	78.1	1.6	77.5	.93	81.2	83.3	„	0.0	None.	None.	None.	None.	None.
7 „	.782	.841	81.5	79.0	2.5	78.0	.90	82.4	83.4	„	0.0					
8 „	.815	.889	83.0	79.0	4.0	77.5	.84	83.9	83.6	SW b W	0.1					
9 „	.814	.845	86.8	81.0	5.8	79.0	.78	86.2	84.1	WSW	0.0					
10 „	.808	.838	88.2	81.4	6.8	79.0	.75	87.2	84.5	„	0.1					
11 „	.806	.812	89.4	82.2	7.2	79.8	.74	88.5	84.7	W b N	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩≀ cumulo-strati; and ∪≀ nimbi.	
8	L	≀≀ and ∪≀ scattered throughout, both moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 82°2. The Reading of Barometer at 4 P. M. was lowest in the month, and about 0·050 lower than the Normal reading.
8	H	Overcast with ∪≀, moving N.	
8	H	" "	
8	H	Overcast; large drops of rain fell at 3h. 5m.	
8	H	Overcast; but no drops of rain.	
8	C	Overcast; breaks in N and E hor.	
7	C	Densely clouded with ≀≀ and ∪≀, moving NW.	
8	C	" " "	
6	C	Light ∪≀ and mist around hor.; ≀≀ scattered about, moving N.	
3	L	≀≀ scattered about hor., moving NW.	
6	L	Light ∪≀ from W to NE, moving SE; ≀≀ scattered around hor., moving NW.	
4	L	≀≀ scattered about, moving N.	
2	L	≀≀ scattered around hor., moving N.	
2	H	≀ around hor.; ≀≀ scattered about, moving N.	
1	H	≀ around hor.; ≀≀ above W hor.	
1	H	∪≀ in E hor.; ≀ scattered along W hor.	
1	H	≀ scattered in E, W, and N; a few patches of ≀≀ in E, moving N.	
1	L	Patches of ≀≀ scattered along E hor., moving N.	
1	L	" " "	
4	L	≀≀ scattered about, moving NW.	
3	L	" "	
7	L	Densely clouded with ≀≀, moving NW.	
3	L	≀≀ scattered in E hem. and along W hor., moving W.	
3	L	≀≀ scattered about, moving W.	
2	L	≀≀ scattered about hor. in S hem., moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°4 and 82°4.
7	H	Densely clouded with ≀≀, moving N.	
7	H	" "	
7	H	" "	
7	H	≀≀ and a few masses of ∪≀ scattered about, moving N.	
7	C	" " "	
7	C	" " "	
5	C	≀≀ scattered about, moving N; light mist around hor.	
3	C	≀≀ scattered around hor. and about zth., moving N; mist in hor.	
2	L	≀≀ around hor. and a few pieces about zth., moving N.	
2	L	" " "	
2	L	" " "	
1	L	Patches of ≀≀ scattered here and there about hor.	
1	H	Patches of ≀≀ scattered here and there.	
4	H	≀≀ scattered about, moving N.	
4	H	" "	
1	H	Pieces of ≀≀ scattered here and there, moving N.	
0	C	A few patches of ≀≀ above E hor.	
0	C	Patches of ≀≀ in hor. from NE to W.	
0	C	A few pieces of ≀≀ in E, SW, and W hor.	
1	C	≀≀ scattered around hor.	
5	L	≀≀ scattered about, moving NE; a few ≀ in SE and S.	
7	L	≀≀ scattered throughout, moving N.	
7	L	≀≀ scattered throughout, moving NE.	
5	L	≀≀ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°8 and 82°5.
7	H	Densely clouded with ≀≀; dew falling.	
7	H	" "	
8	H	Densely clouded with ≀≀, moving N; dew falling.	
8	H	" " "	
8	C	" " "	
8	C	≀≀ scattered throughout, moving N.	
8	C	" "	
8	C	" "	
4	L	≀≀ scattered about, moving N.	
2	L	∩≀ in SW. hor.; ≀ and ≀≀ scattered about hor., latter moving NE.	
2	L	∩≀ in SW hor.; ≀≀ above W hor., moving NE; ≀ scattered around hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 27th-Noon.	29.788	28.807	90°6	82°2	8°4	79°4	0.70	89°5	85°1	W	0.2					
1 p. m.	.773	.793	91.4	82.4	9.0	79.3	.69	90.3	85.5	WNW	0.2					
2 „	.742	.782	91.6	82.0	9.6	78.7	.67	90.8	85.7	„	0.3					
3 „	.719	.737	91.7	82.5	9.2	79.4	.68	90.9	86.0	„	0.3					
4 „	.711	.729	88.8	81.8	7.0	79.4	.75	89.2	85.8	„	0.3					
5 „	.701	.742	87.2	80.8	6.4	78.6	.76	87.1	85.6	„	0.3	None.	None.	None.	None.	None.
6 „	.709	.739	84.4	80.4	4.0	79.0	.84	84.7	85.1	„	0.3					
7 „	.723	.755	83.0	80.0	3.0	78.9	.88	83.7	84.7	NW	0.3					
8 „	.736	.776	82.6	79.7	2.9	78.7	.88	83.1	84.5	„	0.2					
9 „	.746	.786	82.2	79.6	2.6	78.7	.89	83.0	84.5	„	0.2					
10 „	.764	.827	82.0	79.0	3.0	77.9	.88	82.8	84.4	„	0.2					
11 „	.759	.818	81.6	79.0	2.6	78.0	.89	82.7	84.1	NW b N	0.1					
Apr. 28th-Midnight	.757	.845	81.2	78.2	3.0	77.1	.88	82.6	83.9	NNW	0.2					
1 a. m.	.742	.845	81.1	77.8	3.3	76.5	.87	82.2	83.8	„	0.1					
2 „	.731	.855	80.8	77.2	3.6	75.8	.85	81.4	83.5	N b W	0.1					
3 „	.732	.803	80.4	78.4	2.0	77.6	.92	81.2	83.3	NNE	0.1					
4 „	.741	.841	79.8	77.5	2.3	76.6	.90	81.0	83.2	„	0.2					
5 „	.755	.872	79.8	77.1	2.7	76.0	.89	80.7	83.0	„	0.1					
6 „	.781	.878	79.8	77.6	2.2	76.7	.91	81.0	83.0	„	0.1					
7 „	.800	.899	82.6	78.3	4.3	76.7	.83	83.0	83.2	E b N	0.1					
8 „	.800	.854	83.1	79.5	3.6	78.2	.86	83.6	83.5	SSE	0.0					
9 „	.824	.893	85.6	79.8	5.8	77.7	.78	86.0	83.9	SE b S	0.1					
10 „	.821	.863	87.8	81.0	6.8	78.6	.75	87.4	84.3	NW	0.1					
11 „	.807	.834	89.6	81.8	7.8	79.1	.72	88.6	84.6	„	0.1					
Noon.	.774	.782	90.4	82.4	8.0	79.7	.72	89.5	84.9	NW b N	0.2	None.	None.	None.	None.	None.
1 p. m.	.756	.772	90.3	82.2	8.1	79.4	.71	89.3	85.0	NW	0.2					
2 „	.722	.719	89.4	82.4	7.0	80.1	.75	89.0	85.2	„	0.4					
3 „	.706	.738	87.7	81.2	6.5	78.9	.76	88.0	85.0	„	0.4					
4 „	.694	.690	87.6	82.0	5.6	80.1	.79	87.6	85.2	„	0.5					
5 „	.693	.706	86.0	81.2	4.8	79.5	.82	86.2	85.0	„	0.4					
6 „	.714	.743	84.2	80.5	3.7	79.0	.85	84.5	84.8	„	0.3					
7 „	.743	.762	83.4	80.4	3.0	79.4	.88	84.2	84.5	„	0.0					
8 „	.735	.767	83.0	80.0	3.0	78.9	.88	83.6	84.4	„	0.1					
9 „	.755	.780	82.4	80.0	2.4	79.2	.90	83.0	84.2	NW b W	0.1					
10 „	.784	.809	82.4	80.0	2.4	79.2	.90	83.2	84.2	„	0.2					
11 „	.786	.826	82.2	79.6	2.6	78.7	.89	83.0	84.1	„	0.0					
Apr. 29th-Midnight	.791	.831	82.2	79.6	2.6	78.7	.89	83.0	84.0	S	0.0					
1 a. m.	.796	.817	82.0	80.0	2.0	79.3	.92	83.0	83.8	„	0.0					
2 „	.776	.835	81.6	79.0	2.6	78.0	.89	82.4	83.7	W b N	0.0					
3 „	.776	.809	81.2	79.5	1.7	78.9	.93	82.1	83.5	„	0.0					
4 „	.786	.826	81.4	79.4	2.0	78.7	.92	82.2	83.4	WNW	0.0					
5 „	.806	.860	81.2	79.0	2.2	78.2	.91	82.2	83.4	N b W	0.0					
6 „	.816	.860	81.0	79.2	1.8	78.5	.93	82.0	83.4	N	0.1					
7 „	.824	.862	82.5	80.0	2.5	78.7	.90	83.2	83.4	„	0.0					
8 „	.833	.876	84.4	80.1	4.3	78.6	.83	85.1	83.7	„	0.1					
9 „	.830	.889	89.4	81.0	8.4	78.0	.70	90.0	84.4	NNE	0.2					
10 „	.815	.777	91.2	83.6	7.6	81.1	.73	90.7	85.0	NNW	0.3					
11 „	.798	.719	91.8	84.6	7.2	82.4	.75	91.5	85.4	NW b N	0.2					
Noon.	.774	.679	92.0	85.0	7.0	82.8	.73	91.7	85.6	„	0.3					
1 p. m.	.746	.685	93.4	84.6	8.8	81.8	.70	92.8	86.1	NW b W	0.3					
2 „	.724	.673	94.3	84.6	9.7	81.5	.67	94.0	86.5	„	0.4					
3 „	.701	.723	92.0	82.5	9.5	79.3	.67	91.9	86.6	„	0.4					
4 „	.702	.627	89.5	84.0	5.5	82.3	.80	90.0	86.2	NW	0.5					
5 „	.689	.598	87.8	83.9	3.9	82.7	.85	88.3	86.1	NW b N	0.6					
6 „	.715	.671	86.0	82.5	3.5	81.3	.86	86.2	85.9	NW	0.5					
7 „	.776	.725	85.4	82.5	2.9	81.5	.89	86.2	85.5	SE	0.4		+	1		3.50
8 „	.818	.851	85.0	80.5	4.5	78.9	.82	86.1	85.5	„	0.1					
9 „	.814	29.050	83.2	75.0	8.2	71.5	.69	83.3	84.5	NE	1.5		+ +	Out of Sc.	22	Above 10m.
10 „	.814	.059	84.0	75.0	9.0	71.2	.67	83.5	84.4	N	0.8		+ +	2		Above 10m.
11 „	.807	28.947	85.2	78.0	7.2	75.2	.73	85.8	84.8	ENE	0.3		+	3		Above 10m.

Immeasurable.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations. the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
1	L	≀ scattered around hor.	
1	H	≀ scattered about hor. from SW to NE.	
4	H	≀ and ≀≀ scattered about, latter moving NE.	
6	H	" "	
6	H	≀≀ scattered throughout; a few ≀ in SW and W above hor.	
2	C	≀≀ from SW to NW; ≀ scattered here and there.	
1	C	≀ along E hor.; patches of ≀≀ scattered about, moving NE.	
4	C	Dense ≀≀ scattered about, moving NE.	
3	C	Light ≀≀ scattered about, moving ESE.	
2	L	Light ≀≀ scattered about hor., moving SE.	
3	L	" " "	
4	L	Light ≀≀ scattered about, moving SE.	
3	L	Light ≀≀ scattered about hor., moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 82°5. At 8 P. M. the Barometer fell a little instead of rising.
4	H	Light ≀≀ scattered about, moving SE.	
5	H	" "	
6	H	Light ≀≀ scattered throughout, moving NE.	
7	H	Light ≀≀ scattered throughout, moving NW.	
7	C	" " "	
8	C	Light ≀≀ and ≀ scattered throughout, former moving NW and latter E.	
8	C	" " " "	
8	C	Densely clouded with ≀≀, moving N.	
7	L	⌒ in W hor.; ≀ in SE; ≀≀ and light ≀≀ scattered throughout, both moving NE.	
4	L	⌒ in SW hor.; ≀ and ≀≀ scattered about, latter moving NW.	
2	L	⌒ in S hor.; ≀ and ≀≀ about remainder of hor., moving NW.	
2	L	" " " "	
2	H	" " " "	
4	H	⌒ in ESE and S hor.; ≀≀ scattered about, moving NW.	
7	H	⌣ along E hor. and in SW; otherwise clouded with ≀≀, moving N.	
7	H	Densely clouded with ≀≀ and ≀≀, both moving E.	
7	C	" " "	
7	C	" " "	
8	C	" " "	
7	C	" " "	
3	L	≀≀ scattered about hor., moving E; a few ≀ in E.	
8	L	Overcast with ≀≀ and ≀≀, moving E.	
6	L	≀≀ and ≀≀ scattered throughout, moving E.	
3	L	≀≀ scattered about hor. and about zth., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 82°6. Four Maxima and Minima were observed in the diurnal fluctuations of Barometer on the 29th instant, this is supposed to be owing to an irregularity in the observations of this instrument; the Temperature of Air at 2 P. M. was the greatest, and about 3°1 greater than the Normal Mean; the Range of the Temperature of calculated Dew-Point was also the greatest on this day.
5	H	≀≀ and light ≀≀ scattered about, both moving NW.	
3	H	≀≀ scattered here and there; ≀ in E.	
6	H	≀≀ scattered throughout, moving W.	
7	H	Densely clouded with ≀≀ and ≀≀, moving SE.	
8	C	Densely clouded with ≀≀ and ≀≀, moving E.	
5	C	≀≀ and ≀≀ scattered about, moving E.	
7	C	Densely clouded with ≀≀, moving E.	
6	C	≀≀ scattered throughout, moving S.	
3	L	≀≀ scattered in E hem., moving NW.	
2	L	Patches of ≀≀ around hor. and about zth., moving NW.	
7	L	≀≀ scattered throughout, moving NE.	
6	L	" "	
6	H	⌒ in NE and E hor.; ≀≀ scattered throughout, moving NE.	
5	H	⌒ in hor. from N to E; ≀≀ and light ≀≀ scattered about, moving NE.	
7	H	" " " "	
7	H	" " " "	
6	C	⌒ from N to SE hor.; ≀≀ scattered about, moving ENE.	
5	C	⌒ along E hor.; ≀≀ scattered about; continuous lightning in N and E hor. from 6h. 40m.	
7	C	Densely clouded with ≀≀; continuous lightning from N to SE hor.; thunder in NE every 10s.	
8	C	Overcast with ≀≀, moving NW; continuous lightning from N to SE hor.; thunder in NE; large drops of rain at 8h. 45m.	
8	L	Densely clouded with ≀≀, moving S; lightning in N every 2m.; thunder in N; rain ceased at 9h. 8m.	
8	L	≀≀ scattered throughout; ≀≀ in SE and S, both moving NE; lightning in N but no thunder.	
6	L	≀≀ scattered about hor.; ≀≀ in E and SE, both moving NW; lightning in W every 3m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in discovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 30th-Midnight	29.776	28.891	84°4	78°4	6°0	76°1	0.77	85°0	84°7	ENE	0.2		+	2		Above 10m.
1 a. m.	.757	.877	83.4	78.0	5.4	75.9	.79	84.2	84.5	„	0.1		+	2		Above 10m.
2 „	.733	.926	83.6	76.2	7.4	73.2	.72	84.2	84.5	E	0.1		+	1		Above 10m.
3 „	.727	.879	83.4	77.2	6.2	74.8	.76	84.0	84.4	E b N	0.1		+	2		Above 10m.
4 „	.727	.851	83.7	78.0	5.7	75.8	.78	84.2	84.4	NNE	0.1		—	Out of Sc.	25	0.30
5 „	.771	.877	81.3	77.8	3.5	76.4	.86	82.2	84.2	NW	0.1		—	Out of Sc.	Out of Sc.	Instantly.
6 „	.785	.883	81.4	78.0	3.4	76.7	.86	82.2	83.9	NNW	0.1		+	5	4	1·10
7 „	.798	.865	82.4	79.0	3.4	77.8	.86	83.1	83.8	NE	0.0		+	2		4.30
8 „	.821	.889	84.8	79.6	5.2	77.7	.80	85.7	84.1	NNE	0.1					
9 „	.825	.895	87.2	80.2	7.0	77.7	.74	87.8	84.5	ENE	0.1					
10 „	.818	.842	90.2	82.0	8.2	79.2	.71	89.8	85.2	NNW	0.1					
11 „	.809	.754	91.4	84.0	7.4	81.7	.74	90.8	85.5	NW b N	0.2		+	1		Above 10m.
Noon.	.787	.731	92.6	84.3	8.3	81.7	.71	91.8	85.8	„	0.1					
1 p. m.	.761	.681	92.5	84.8	7.7	82.4	.73	92.0	86.0	NW	0.3					
2 „	.724	.585	91.9	85.9	6.0	84.1	.79	91.3	86.4	„	0.3	Immeasurable.				
3 „	.703	.584	91.6	85.4	6.2	83.5	.78	91.0	86.5	„	0.2					
4 „	.673	.592	90.7	84.4	6.3	82.4	.78	91.0	86.5	„	0.4		+	1		Above 10m.
5 „	.689	.673	89.0	82.6	6.4	80.5	.77	89.6	86.4	„	0.4		+	1		Above 10m.
6 „	.747	.725	87.2	82.3	4.9	80.6	.82	88.1	86.2	ESE	0.5					
7 „	.739	.862	86.6	78.8	7.8	75.8	.71	87.2	86.0	„	0.0					
8 „	.741	.769	86.6	81.0	5.6	79.1	.79	87.1	85.8	WSW	0.2					
9 „	.781	.839	86.4	81.0	5.4	78.1	.80	87.0	85.8	SE	0.0		+	1		Above 10m.
10 „	.811	.958	86.6	78.2	8.4	75.0	.69	87.2	85.6	E b S	0.2					
11 „	.794	.924	85.8	78.4	7.4	75.6	.72	86.4	85.5	SE	0.2					
May 1st-Midnight	.770	.805	85.6	80.6	5.0	78.8	.81	86.2	85.5	SE b E	0.2		+	1		Above 10m.
1 a. m.	.750	.849	84.7	79.0	5.7	76.9	.78	85.5	85.2	„	0.1		+	2		Above 10m.
2 „	.737	.836	83.4	78.5	4.9	76.7	.81	84.2	85.0	„	0.0		+	1		Above 10m.
3 „	.719	.701	84.4	81.5	2.9	80.5	.88	84.8	85.0	NNW	0.2		+	10		1.50
4 „	.726	.682	84.0	82.0	2.0	81.3	.92	84.7	84.9	„	0.5					
5 „	.755	.747	83.7	81.0	2.7	80.2	.89	84.5	84.8	„	0.0					
6 „	.777	.794	83.6	80.5	3.1	79.4	.88	84.2	84.8	N b W	0.0		+	13		0.07
7 „	.790	.768	86.0	82.0	4.0	80.6	.85	85.1	85.0	NE b N	0.0		+	1		Above 10m.
8 „	.804	.806	88.2	82.0	6.2	79.9	.77	89.1	85.4	ENE	0.1					
9 „	.812	.834	90.0	82.0	8.0	79.3	.72	90·5	85.8	N b E	0.1		+	3		Above 10m.
10 „	.806	.807	93.0	83.2	9.8	79.9	.67	92.2	86.3	NNW	0.1		+	2		Above 10m.
11 „	.794	.694	92.4	85.2	7.2	83.0	.75	92.1	86.5	NW b N	0.1	None.			None.	
Noon.	.770	.786	93.6	83.0	10.6	79.4	.65	92.2	86.7	„	0.2					
1 p. m.	.743	.764	94.9	83.2	11.7	79.3	.62	94.0	87.0	NW	0.2					
2 „	.716	.694	93.5	83.8	9.7	80.6	.67	92.9	87.3	„	0.1					
3 „	.690	.664	94.0	84.0	10.0	80.8	.67	92.9	87.5	„	0.1		+	1		Above 10m.
4 „	.664	.607	91.2	84.0	7.2	81.7	.74	91.6	87.3	„	0.1					
5 „	.655	.650	89.6	82.5	7.1	80.1	.75	90.2	87.0	„	0.1					
6 „	.659	.642	88.1	82.4	5.7	80.5	.79	88.5	86.9	WNW	0.2					
7 „	.683	.623	86.6	83.0	3.6	81.8	.86	87.2	86.5	NW b N	0.1					
8 „	.712	.670	86.2	82.5	3.7	81.3	.86	87.0	86.3	„	0.1					
9 „	.714	.640	85.4	83.0	2.4	82.2	.90	86.2	86.0	NNW	0.2					
10 „	.715	.637	85.0	83.0	2.0	82.3	.92	86.0	86.0	„	0.0					
11 „	.710	.630	84.8	83.0	1.8	82.4	.93	86.0	85.9	„	0.1					
May 3rd-Midnight	.684	.677	83.4	81.0	2.4	80.2	.90	84.2	85.3	NNW	0.0					
1 a. m.	.685	.693	82.8	80.5	2.3	79.7	.91	83.8	85.2	NW	0.0					
2 „	.678	.670	82.5	80.8	1.7	80.2	.93	83.8	85.0	WSW	0.1					
3 „	.677	.698	82.0	80.0	2.0	79.3	.92	83.3	84.9	SW	0.1					
4 „	.686	.726	81.9	79.5	2.4	78.7	.90	82.9	84.8	„	0.0					
5 „	.688	.739	80.9	79.0	1.9	78.3	.92	82.2	84.5	„	0.0	None.	None.	None.	None.	None.
6 „	.710	.761	80.9	79.0	1.9	78.3	.92	82.2	84.5	WSW	0.0					
7 „	.731	.720	83.0	81.0	2.0	80.3	.92	83.9	84.5	„	0.0					
8 „	.756	.774	85.6	81.0	4.6	79.4	.82	85.9	84.8	„	0.0					
9 „	.752	.778	87.2	81.2	6.0	79.1	.78	87.0	85.1	NW	0.1					
10 „	.754	.776	88.4	81.6	6.8	79.3	.75	88.2	85.3	„	0.2					
11 „	.739	.826	89.6	80.4	9.2	77.1	.68	89.0	85.5	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
5	L	in W and NE hor.; scattered about, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 82°6. Maximum Tension of Electricity by Henly's Apparatus 15°0. Maximum length of Spark by Ronald's Measure 0.13; the Temperature of Evaporation at 2 P. M. was the greatest in the month, and about 4°5 greater than the Normal Mean; probably the Observation of Barometer at 6 P. M. must be vitiated.
7	H	and scattered throughout, both moving N.	
8	H	Overcast with and , both moving W; lightning and thunder in NE after 2h. 20m.	
8	H	Overcast with & , both moving NW; lightning & thunder in SW at 3h. 30m.; rain between 3h. 47m. & 3h. 52m.	
8	H	Overcast with ; light rain at 4h. 5m. which lasted 16m.; passing showers of rain at 4h. 25m. and 4h. 53m.	
8	C	Overcast with , moving WNW; break in E above hor.; lightning and thunder in NE; rain ceased at 5h. 24m.	
8	C	Overcast; breaks in E and W; rain in drops after 6h. 15m.; rainbow in W.	
8	C	Overcast; rain ceased at 7h. 24m.	
8	C	Overcast with , moving NW.	
6	L	in NE and E hor.; and scattered about, moving NW.	
4	L	along W hor.; in NE and E hor.; and scattered about, former moving N.	
4	L	from NE to NW hor.; and around hor.; a few patches of about 7th., moving NW.	
3	L	Electrical from W to E hor.; in S above hor.; scattered about, moving N.	
3	H	Electrical from N to E hor.; and scattered about.	
2	H	Electrical in NE and E hor.; and scattered about.	
3	H	" " " "	
5	H	in E hor.; scattered about.	
3	C	along E hor.; in N and E; light scattered about.	
7	C	Densely clouded with , moving NW; lightning in E every 8m.; rain between 6h. 13m. and 66h. 26m.; rainbow in E.	
6	C	scattered throughout, moving N; lightning in NE and E at intervals.	
5	C	" " " "	
8	L	Overcast with , moving SW; lightning in NE every 10m.	
3	L	about hor. from W to NE; around hor. and about 7th., moving W.	
3	L	in W and NW hor.; and scattered about, former moving W.	
5	L	in W and NW hor.; scattered about, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°1 and 82°7. The Temperature of Evaporation at 11 A. M. was greatest during the month, and about 4°0 greater than the Normal Mean; the Temperature of External and Free Air at 1 P. M. was the greatest, and about 3°6 greater than the Normal Mean for that hour.
6	H	and a few scattered throughout, both moving NE.	
8	H	Overcast with , moving NE.	
8	H	Overcast with and , both moving N.	
8	H	" " "	
8	C	Overcast; breaks in NE and E.	
7	C	and light scattered throughout, moving N.	
6	C	around hor.; scattered throughout, moving N.	
6	C	" " "	
8	L	and scattered throughout, moving N.	
6	L	Light in NW and N; in SW and S; scattered throughout, moving NW.	
5	L	scattered about, moving N.	
5	L	in N, NE, and SE hor.; scattered about.	
5	H	" " "	
7	H	and along E hor.; scattered throughout.	
6	H	" "	
5	H	" "	
4	H	in N and SE hor.; from NE to SW hor.; scattered about.	
4	H	and along E hor.; in S and W above hor.; and a few light scattered about.	
8	H	around hor.; scattered throughout; lightning in E every 3m.	
8	H	Overcast with and , moving NE; lightning in E every 4m.	
4	H	scattered about; lightning in E every 7m.	
6	H	scattered throughout, moving NNE; in E hor.	
7	H	Densely clouded with , moving NE.	
7	L	and scattered throughout, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°3 and 82°8.
5	C	around hor.; scattered about, moving E.	
6	C	and scattered throughout, both moving SE.	
3	C	and scattered throughout; a few light in E above hor.	
3	C	Light along E hor.; scattered about, moving SE.	
7	H	along E hor.; scattered throughout, moving NW; dew falling.	
5	H	" " " "	
2	H	scattered about hor.; moving N; mist around hor.	
3	H	Patches of and scattered about, moving NE; a few in SW.	
3	L	and scattered about, moving NW.	
5	L		
3	L	" " around hor., moving N; scattered about.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 3rd-Noon.	29.722	28.780	91°8	81°6	10°2	78°1	0.65	91°0	86°0	NW	0.1					
1 p. m.	.699	.768	92.8	81.6	11.2	77.7	.63	92.0	86.3	„	0.1		+	1		Above 10m.
2 „	.686	.742	93.2	82.0	11.2	78.1	.63	92.2	86.5	„	0.2		+	3		Above 10m.
3 „	.684	.742	93.4	82.0	11.4	78.1	.62	92.3	86.8	NW b W	0.2		+	1		Above 10m.
4 „	.654	.690	93.4	82.5	10.9	78.8	.64	92.8	87.0	NW	0.2		+	2		Above 10m.
5 „	.658	.787	89.6	79.4	10.2	75.6	.65	89.2	86.5	„	0.2		+	1		Above 10m.
6 „	.684	.792	86.8	79.2	7.6	76.4	.72	87.0	86.2	NNW	0.2		+	2		Above 10m.
7 „	.691	.749	85.4	80.0	5.4	78.1	.79	85.9	85.8	„	0.2	None.	+	2	None.	Above 10m.
8 „	.710	.760	84.6	80.0	4.6	78.3	.82	85.0	85.6	„	0.3		+	2		9.00
9 „	.724	.761	84.2	80.2	4.0	78.8	.84	84.8	85.6	„	0.1					
10 „	.732	.762	83.6	80.2	3.4	79.0	.87	84.7	85.3	N	0.1					
11 „	.727	.761	83.2	80.0	3.2	78.9	.87	84.0	85.2	„	0.0					
May 4th-Midnight	.716	.773	82.2	79.2	3.0	78.1	.88	83.4	85.0	N	0.0					
1 a. m.	.703	.762	81.6	79.0	2.6	78.0	.89	83.0	84.6	„	0.0					
2 „	.691	.745	81.2	79.0	2.2	78.2	.91	82.7	84.5	„	0.0					
3 „	.697	.751	81.2	79.0	2.2	78.2	.91	82.2	84.5	„	0.0					
4 „	.700	.752	81.0	79.0	2.0	78.3	.92	82.2	84.3	„	0.0					
5 „	.708	.758	80.8	79.0	1.8	78.3	.93	82.0	84.0	„	0.0					
6 „	.735	.768	81.2	79.5	1.7	78.9	.93	82.7	84.0	NNE	0.0					
7 „	.754	.756	84.2	81.0	3.2	79.9	.87	84.7	84.3	„	0.1					
8 „	.776	.802	86.4	81.0	5.4	79.1	.80	86.9	84.7	N b E	0.1					
9 „	.774	.814	87.6	81.0	6.6	78.7	.76	88.0	85.0	N	0.1					
10 „	.770	.781	89.4	82.1	7.3	79.6	.74	89.2	85.4	„	0.1	None.	None.	None.	None.	None.
11 „	.766	.777	89.4	82.1	7.3	79.6	.74	88.9	85.4	NNW	0.2					
Noon.	.748	.735	90.0	83.0	7.9	80.4	.72	90.7	85.8	„	0.4					
1 p. m.	.723	.671	91.2	83.9	7.3	81.6	.74	90.9	86.0	„	0.4					
2 „	.699	.649	91.0	83.8	7.2	81.5	.74	90.5	86.2	„	0.5					
3 „	.675	.637	90.8	83.5	7.3	81.1	.74	90.5	86.4	„	0.4					
4 „	.659	.622	88.7	83.0	5.7	81.1	.79	88.4	86.2	„	0.6					
5 „	.670	.625	86.8	82.7	4.1	81.3	.84	87.4	86.0	„	0.4					
6 „	.692	.659	85.0	82.0	3.0	81.0	.88	86.0	85.8	„	0.3					
7 „	.714	.672	84.2	82.0	2.2	81.3	.91	85.2	85.5	„	0.3					
8 „	.739	.704	84.0	81.8	2.2	81.0	.91	85.0	85.4	NW	0.1					
9 „	.747	.727	83.8	81.4	2.4	80.6	.90	85.0	85.4	„	0.0					
10 „	.753	.729	83.4	81.4	2.0	80.7	.92	84.7	85.3	„	0.0					
11 „	.745	.721	83.4	81.4	2.0	80.7	.92	84.6	85.2	„	0.0					
May 5th-Midnight	.740	.715	83.2	81.4	1.8	80.7	.93	84.2	85.0	NW	0.1					
1 a. m.	.737	.712	82.8	81.0	1.8	80.4	.93	83.9	84.8	„	0.0					
2 „	.729	.709	82.2	81.0	1.2	80.6	.95	83.4	84.6	„	0.0					
3 „	.723	.730	82.2	80.5	1.7	79.7	.93	83.4	84.5	„	0.1					
4 „	.724	.748	82.3	80.0	2.3	79.2	.91	83.5	84.5	„	0.1					
5 „	.738	.762	82.3	80.0	2.3	79.2	.91	83.5	84.4	NNW	0.1					
6 „	.763	.784	82.4	80.1	2.3	79.3	.91	83.5	84.4	„	0.1					
7 „	.779	.779	84.0	81.0	3.0	80.0	.88	85.3	84.5	„	0.1					
8 „	.794	.820	86.4	81.0	5.4	79.1	.80	86.8	84.9	„	0.1					
9 „	.797	.819	88.0	81.5	6.5	79.6	.76	88.0	85.2	NW b N	0.1					
10 „	.788	.810	89.2	81.8	7.4	79.6	.73	88.8	85.5	„	0.1	None.	None.	None.	None.	None.
11 „	.774	.753	90.2	83.0	7.2	80.6	.74	90.0	85.6	NNW	0.3					
Noon.	.757	.736	91.0	83.2	7.8	80.6	.73	90.5	85.8	„	0.3					
1 p. m.	.736	.716	92.4	83.5	8.9	80.6	.69	91.6	86.4	„	0.3					
2 „	.718	.685	92.5	83.8	8.7	81.0	.70	91.8	86.5	„	0.4					
3 „	.698	.656	92.5	84.0	8.5	81.3	.71	92.0	86.8	„	0.3					
4 „	.663	.607	90.8	83.9	6.9	81.7	.75	90.2	86.7	„	0.4					
5 „	.675	.618	88.6	83.4	5.2	81.7	.81	89.0	86.5	„	0.3					
6 „	.698	.662	86.4	82.4	4.0	81.1	.85	87.0	86.3	„	0.2					
7 „	.722	.689	85.0	82.0	3.0	81.0	.88	86.0	86.0	„	0.2					
8 „	.754	.732	84.3	81.7	3.1	80.6	.88	85.5	85.6	NW b W	0.1					
9 „	.752	.743	84.4	81.3	3.1	80.2	.88	85.5	85.6	WNW	0.1					
10 „	.754	.741	84.4	81.4	3.0	80.4	.88	85.0	85.5	„	0.1					
11 „	.755	.740	84.2	81.4	2.8	80.4	.89	85.0	85.4	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩ cumulo-strati; and ≀ nimbi.	Remarks.
3	L	≀ scattered about hor., except in W and NW, moving N.	
2	[illegible]	∩ along E hor.; ≀ around hor.	
3	[illegible]	∩ along E hor.; ≀ scattered about, moving NE.	
6	[illegible]	∩ along E hor.; ≀ scattered about, moving NNE.	
3	C	∩ along E hor.; ≀ from SE to NW above hor.; ≀ scattered about, moving NNE.	
2	H	∩ in NNE; ⌒ in N and E hor.; ≀ scattered about remainder of hor.	
2	H	⌒ along E hor.; ≀ around hor.	
2	H	Clouded as before; lightning in NE hor. every 2m.	
1	H	Clouded around hor.; lightning in ENE every half minute	
1	L	Clouded around hor.; otherwise clear.	
1	L	" "	
1	L	" "	
6	L	≀ and ≀ scattered about, former moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°5 and 83°0.
7	C	≀ in N; ≀ scattered throughout; a lunar-halo; dew falling.	
7	C	≀ scattered throughout; a lunar-halo; dew falling.	
7	C	≀ in S hem., moving NW; ≀ scattered throughout, a lunar-halo; dew falling.	
5	C	≀ about hor. from SE to W; ≀ scattered about, a lunar-halo; dew falling.	
2	H	⌒ along E hor.; ≀ in E above hor.; ≀ in W above hor.; dew falling.	
3	H	≀ and ≀ scattered about, former moving NW; mist around hor.	
4	H	≀ and ≀ scattered about, moving NE; light mist in hor.	
5	H	≀ scattered about; a few pieces of ≀ in N, moving NW; light mist in hor.	
6	L	≀ in E and SE about hor., moving NW; ≀ scattered throughout.	
6	L	≀ scattered throughout.	
5	L	A few ≀ in NE and SE hor.; ≀ scattered throughout.	
5	L	A few ≀ in NE and E hor.; ≀ scattered about.	
6	C	≀ along E hor.; ≀ scattered throughout, moving N.	
7	C	∩ along E hor.; ≀ scattered about, moving NE.	
7	C	" " "	
8	C	" " "	
6	H	∩ along E hor.; ≀ and ≀ scattered throughout, latter moving E.	
5	H	⌒ and ∩ along E hor.; ≀ and ≀ scattered throughout.	
6	H	∩ in E and NE; ≀ and ≀ scattered throughout; continuous lightning in E & NE.	
4	H	≀ scattered about, moving E; lightning in NE every 2m.	
4	L	≀ scattered about.	
3	L	"	
5	L	≀ scattered about, moving NW.	
4	L	≀ and ≀ scattered about, moving NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°5 and 83°1.
4	C	≀ in NE and E; ≀ in E above hor.; ≀ scattered about, moving WNW; dew falling.	
6	C	≀ in E; ≀ scattered about, moving N; a lunar-halo; dew falling.	
5	C	≀ scattered about, moving SE; dew falling.	
5	C	" " "	
6	H	≀ scattered throughout, moving E.	
7	H	≀ and ≀ scattered throughout, former moving E; mist in hor.	
7	H	" " " "	
6	H	" " " "	
6	L	∩ in NE hor.; ≀ from N to E hor.; ≀ scattered throughout.	
5	L	∩ in NE hor.; ≀ scattered about.	
1	L	≀ from NW to SW hor.; ≀ scattered about.	
1	L	Light ≀ from S to NW and a few pieces in NE and SE; a few ≀ in SE.	
1	C	∩ in NE hor.; ≀ from E to NW hor., moving SE; ≀ above SE and E hor.	
3	C	∩ along E hor.; ≀ above E and SE hor.; ≀ scattered about, moving E.	
1	C	∩ along E hor.; ≀ in E about zth.; ≀ in W and N, moving E.	
3	C	∩ along E hor.; ≀ scattered about, moving E.	
4	H	" " "	
6	H	" " "	
7	H	Clouded as before; lightning in NE every 2s.	
2	H	Masses of ≀ scattered here and there, moving E; continuous lightning in E.	
8	L	Densely clouded with ≀, moving E.	
8	L	Overcast with ≀; a few stars visible in SE.	
8	L	Overcast; a few stars dimly visible about zth.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 6th—Midnight	29.753	28.753	84·0	81·0	3·0	80·0	0.88	84·8	85·2	WNW	0·0					
1 a. m.	.737	.737	84.0	81.0	3.0	80.0	.88	84.7	85.2	„	0·1					
2 „	.726	.726	83.6	80.9	2.7	80.0	.89	84.2	85.0	NW b W	0.2					
3 „	.719	.725	83.3	80.7	2.6	79.8	.89	84.1	84.9	NW	0.2					
4 „	.734	.740	83.3	80.7	2.6	79.8	.89	84.1	84.9	„	0.2					
5 „	.738	.743	83.2	80.7	2.5	79.8	.90	84.1	84.9	„	0.1					
6 „	.775	.780	83.2	80.7	2.5	79.8	.90	84.1	84.8	„	0.0					
7 „	.799	.801	84.2	81.0	3.2	79.9	.87	85.2	84.9	„	0.1					
8 „	.813	.797	86.5	82.0	4.5	80.5	.83	87.2	85.1	WNW	0·1					
9 „	.816	.805	87.4	82.1	5.3	80.3	.80	87.8	85.4	„	0·1					
10 „	.812	.774	88.6	83.0	5.6	81.1	.79	89.0	85.6	NW	0.1					
11 „	.802	.750	90.8	83.8	7.0	81.6	.75	90.8	86.0	„	0·2	None.	None.	None.	None.	None.
Noon.	.771	.721	91.8	84.0	7.8	81.5	.73	91.5	86.4	„	0·3					
1 p. m.	.756	.713	90.8	83.6	7.2	81.3	.74	90.0	86.5	„	0.3					
2 „	.731	.686	92.3	84.0	8.3	81.4	.71	91.7	86.8	„	0·3					
3 „	.713	.647	90.4	84.0	6.4	82.0	.77	90.4	89.7	„	0.3					
4 „	.705	.646	91.0	84.0	7.0	81.8	.75	90.4	87.0	„	0·3					
5 „	.708	.674	89.0	83.0	6.0	81.0	.78	89.1	86.8	„	0·3					
6 „	.728	.694	86.6	82.4	4.2	81.0	.84	87.0	86.5	„	0·2					
7 „	.750	.717	85.0	82.0	3.0	81.0	.88	85.4	86.0	„	0.2					
8 „	.768	.731	84.6	82.0	2.6	81.1	.90	85.4	85.9	„	0.1					
9 „	.781	.746	84.8	82.0	2.8	81.0	.89	85.8	85.8	„	0.0					
10 „	.787	.750	84·6	82.0	2.6	81.1	.90	85.4	85.7	„	0.0					
11 „	.778	.748	84.4	81.8	2.6	80.9	.90	85.4	85.5	„	0.0					
May 7th—Midnight	.738	.708	84.4	81.8	2.6	80.9	.90	85.0	85.4	NW b N	0.0					
1 a. m.	.710	.710	84.0	81.0	3.0	80.0	.88	84.5	85.4	„	0.2					
2 „	.675	.650	83.8	81.5	2.3	80.7	.91	84.4	85.2	„	0.2					
3 „	.670	.645	83.8	81.5	2.3	80.7	.91	84.3	85.1	N b W	0.1					
4 „	.670	.668	83.8	81.0	2.8	80.0	.89	84.3	85.0	„	0.1					
5 „	.680	.678	83.8	81.0	2.8	80.0	.89	84.3	85.0	„	0.1					
6 „	.710	.690	83.8	81.4	2.4	80.6	.90	84.2	85.0	„	0.1					
7 „	.741	.708	85.0	82.0	3.0	81.0	.88	86.0	85.1	N	0.1					
8 „	.754	.705	86.8	82.8	4.0	81.5	.85	87.3	85.4	NW	0.1					
9 „	.753	.710	88.2	83.0	5.2	81.3	.81	88.7	85.7	„	0.2					
10 „	.740	.662	90.6	84.3	6.3	82.3	.77	91.2	86.2	„	0.2					
11 „	.722	.656	92.0	84.4	7.6	82.0	.73	91.4	86.5	„	0.4	None.	None.	None.	None.	None.
Noon.	.705	.612	92.2	85.0	7.2	82.8	.75	92.0	86.7	„	0.4					
1 p. m.	.672	.580	92.7	85.1	7.6	82.8	.73	92.1	87.0	„	0.3					
2 „	.652	.562	91.6	84.8	6.8	82.7	.76	91.0	87.0	„	0.6					
3 „	.637	.545	91.0	84.7	6.3	82.8	.77	91.0	87.0	„	0.5					
4 „	.617	.512	91.1	85.0	6.1	83.1	.78	90.7	87.2	„	0.6					
5 „	.610	.530	88.6	83.9	4.7	82.4	.83	89.0	87.0	„	0.5					
6 „	.614	.598	86.2	81.9	4.3	80.5	.84	87.0	86.5	„	0.5					
7 „	.641	.625	85.0	81.6	3.4	80.5	.87	86.0	86.2	„	0.4					
8 „	.667	.664	84.6	81.2	3.4	80.1	.87	85.4	85.9	„	0.4					
9 „	.699	.696	84.6	81.2	3.4	80.1	.87	85.6	85.9	„	0.1					
10 „	.727	.731	84.4	81.0	3.4	79.8	.87	85.5	85.8	NNW	0.0					
11 „	.732	.742	84.2	80.8	3.4	79.6	.87	85.5	85.7	„	0.1					
May 8th—Midnight	.648	.667	83.8	80.5	3.3	79.3	.87	84.7	85.5	NNW	0.5					
1 a. m.	.653	.700	83.6	79.8	3.8	78.4	.85	84.3	85.4	„	0.4					
2 „	.644	.696	83.3	79.6	3.7	78.3	.85	84.2	85.3	„	0.3					
3 „	.634	.687	83.0	79.5	3.5	78.2	.86	84.0	85.1	„	0.2					
4 „	.642	.695	83.0	79.5	3.5	78.2	.86	84.0	85.0	„	0.2					
5 „	.644	.688	83.0	79.7	3.3	78.5	.87	84.0	84.9	„	0.3					
6 „	.682	.714	83.4	80.1	3.3	78.9	.87	84.0	84.9	„	0.2					
7 „	.715	.721	84.5	81.0	3.5	79.8	.86	85.4	85.0	NW b N	0.1	None.	None.	None.	None.	None.
8 „	.725	.716	86.3	81.8	4.5	80.2	.83	87.0	85.5	NW	0.2					
9 „	.735	.751	88.6	81.8	6.8	79.4	.75	89.0	85.8	„	0.2					
10 „	.719	.739	89.8	82.0	7.8	79.3	.72	89.6	86.0	NNW	0.3					
11 „	.714	.723	90.9	82.5	8.4	79.7	.71	90.7	86.3	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
8	L	Overcast with , moving E; a few stars visible in E and SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°5 and 83°2.
8	C	Overcast.	
8	C	"	
5	C	and scattered about, both moving E.	
7	C	Densely clouded with , moving E.	
7	H	in E hor.; and scattered throughout, moving E.	
7	H	in SW hor.; around hor.; scattered throughout.	
7	H.	in SW hor.; and scattered throughout; light mist around hor.	
7	H	and scattered throughout; mist in hor.	
8	L	in E hor.; otherwise clouded with and .	
7	L	in N, NE, and E hor.; and scattered throughout, moving NW.	
5	L	along E hor.; in NE and NW above hor.; scattered about, moving N.	
6	L	along E hor.; in SE & S; in NW; scattered throughout, moving NW.	
7	C	along E hor.; above E and SE hor.; scattered throughout.	
7	C	Densely clouded with , moving NW.	
7	C	around hor., moving E; scattered throughout, moving N.	
6	C	and scattered about, former moving E.	
6	H	" "	
6	H	" "	
5	H	scattered about, moving E.	
3	H	" "	
8	L	Overcast with , moving E.	
8	L	" "	
8	L	" "	
8	L	Overcast with , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°6 and 83°2.
8	C	Overcast with , moving ENE.	
8	C	" "	
8	C	Overcast with , moving E.	
8	C	" "	
8	H	" "	
8	H	Overcast; mist in hor.; light drops of rain falling now and then.	
8	H	" " " "	
7	H	Densely clouded with ; mist around hor.	
8	L	and scattered throughout, former moving SE.	
8	L	in N, NE, and E; and scattered throughout, latter moving SE.	
7	L	around hor.; in N, NE, and E hor.; scattered throughout.	
7	L	in S and SE of zth.; in NW and E; scattered throughout, moving ESE.	
6	C	in W hem.; in N hem.; scattered throughout.	
6	C	Clouded with , , and , former moving ESE.	
4	C	and scattered about, former moving ESE.	
2	C	and scattered about; a few masses of in E hor., moving ESE.	
1	H	in E hor.; scattered about hor.	
1	H	in E hor.; in NE and E above hor.; along W hor.	
2	H	along E hor.; scattered about hor., moving SE; continuous lightning in NE and E.	
2	H	scattered about, moving SE; continuous lightning in ENE.	
7	L	scattered throughout, moving E; lightning in E at intervals of 40s.	
7	L	Densely clouded with ; lightning in E every 2m.	
7	L	Densely clouded with , moving SE.	
7	L	Densely clouded with , moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°9 and 83°2.
7	C	" "	
6	C	scattered throughout, moving SE.	
5	C	A few patches of in E; scattered about, moving SE.	
4	C	" " " "	
8	H	Overcast with , moving SE.	
2	H	and scattered around hor., moving SE; light mist in hor.	
3	H	scattered about, moving SE; mist in hor.	
7	H	Densely clouded with , moving E; mist in hor.	
6	L	from NW to E about hor.; scattered from SE to W.	
1	L	Light from N to E; a few patches of in S hor.	
1	L	scattered around hor., moving SE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By New man's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 8th-Noon.	29.699	28.716	92°0	82°6	9°4	79°4	0.68	91°4	86°7	NNW	0.3					
1 p. m.	.675	.710	92.5	82.3	10.2	78.8	.66	91.6	86.8	„	0.3					
2 „	.651	.697	92.3	82.0	10.3	78.5	.65	91.2	87.0	„	0.2					
3 „	.629	.678	92.5	82.0	10.5	78.4	.65	92.0	87.2	„	0.4					
4 „	.631	.653	91.0	81.5	9.5	79.3	.67	90.8	87.1	NW b W	0.4					
5 „	.636	.680	88.8	81.2	7.6	78.5	.73	89.0	87.0	„	0.3					
6 „	.642	.691	86.5	80.5	6.0	78.4	.78	87.0	86.6	WNW	0.3					
7 „	.678	.736	85.4	80.0	5.4	78.1	.79	86.2	86.2	„	0.2					
8 „	.696	.748	84.8	80.0	4.8	78.3	.81	85.9	86.0	„	0.2					
9 „	.712	.762	84.6	80.0	4.6	78.3	.82	85.6	86.0	NW b W	0.1					
10 „	.710	.757	84.4	80.0	4.4	78.4	.83	85.3	85.8	NW	0.3					
11 „	.699	.748	83.8	79.8	4.0	78.4	.84	84.6	85.5	NW b N	0.3					
May 9th-Midnight	.684	.723	83.6	80.0	3.6	78.7	.86	84.4	85.4	NW b N	0.3					
1 a. m.	.669	.711	83.2	79.8	3.4	78.6	.86	84.2	85.3	„	0.2					
2 „	.665	.727	83.0	79.3	3.7	77.9	.85	84.0	85.0	NW	0.1					
3 „	.665	.727	83.0	79.3	3.7	77.9	.85	84.0	85.0	„	0.1					
4 „	.677	.725	83.0	79.6	3.4	78.4	.86	84.0	85.0	WNW	0.1					
5 „	.687	.761	83.0	79.0	4.0	77.5	.84	83.9	85.0	W b N	0.1					
6 „	.713	.766	83.0	79.5	3.5	78.2	.86	84.2	84.9	WNW	0.1					
7 „	.747	.780	85.0	80.5	4.5	78.9	.83	86.0	85.0	„	0.1					
8 „	.770	.815	86.5	80.6	5.9	78.5	.78	87.2	85.2	W	0.1					
9 „	.781	.816	88.8	81.4	7.4	78.8	.73	89.2	85.7	„	0.2					
10 „	.771	.814	90.7	81.7	9.0	78.6	.69	90.7	86.0	„	0.2	Immeasurable.	+	2	None.	0.20
11 „	.772	.803	92.0	82.3	9.7	79.0	.67	91.4	86.5	„	0.2					
Noon.	.756	.796	92.6	82.2	10.4	78.7	.65	91.8	86.8	W b S	0.2					
1 p. m.	.735	.774	93.3	82.4	10.9	78.7	.64	92.3	87.1	„	0.3		++	3		Above 10m.
2 „	.719	.737	93.8	83.0	10.8	79.4	.64	93.3	87.3	W	0.3		++	1		Above 10m.
3 „	.697	.742	93.4	82.3	11.1	78.5	.63	93.0	87.4	W b N	0.2					
4 „	.675	.720	92.2	82.0	10.2	78.5	.66	92.3	87.4	WNW	0.3					
5 „	.677	.715	89.5	81.5	8.0	78.7	.72	89.4	87.2	„	0.2		+	1		Above 10m.
6 „	.696	.759	87.4	80.4	7.0	77.7	.74	87.6	86.8	„	0.2					
7 „	.724	.789	85.6	79.9	5.7	77.8	.78	86.2	86.5	„	0.2					
8 „	.734	.788	85.0	80.0	5.0	78.2	.81	86.0	86.2	„	0.2					
9 „	.731	.809	84.5	79.3	5.2	77.4	.80	85.4	86.0	„	0.2					
10 „	.754	.829	84.2	79.3	4.9	77.5	.81	85.2	85.8	NW b W	0.2					
11 „	.763	.848	84.0	79.0	5.0	77.2	.81	85.0	85.7	WNW	0.2					
May 11th-Midnight	.741	.807	83.8	79.4	4.4	77.8	.83	84.6	85.2	W	0.0					
1. a. m.	.745	.823	83.4	79.0	4.4	77.4	.83	84.3	85.1	„	0.0					
2 „	.740	.850	82.8	78.1	4.7	76.3	.82	84.0	84.9	„	0.1					
3 „	.734	.848	82.4	77.9	4.5	76.1	.82	83.4	84.7	„	0.0					
4 „	.749	.842	82.4	78.4	4.0	76.9	.84	83.5	84.7	„	0.0					
5 „	.741	.846	82.0	78.0	4.0	76.5	.84	83.1	84.5	„	0.0					
6 „	.767	.851	82.4	78.6	3.8	77.2	.85	83.5	84.5	„	0.1					
7 „	.788	.882	84.8	79.0	5.8	76.8	.78	85.9	84.7	„	0.1					
8 „	.805	.889	87.0	79.8	7.2	77.2	.74	86.9	85.0	„	0.1					
9 „	.812	.947	88.5	79.0	9.5	75.4	.66	88.0	85.3	„	0.0					
10 „	.796	.883	89.6	80.4	9.2	77.1	.68	89.2	85.6	WNW	0.2					
11 „	.781	.874	91.3	80.7	10.6	76.9	.64	90.7	86.0	„	0.1	None.	None.	None.	None.	None.
Noon.	.759	.829	92.0	81.4	10.6	77.7	.64	91.2	86.3	„	0.2					
1 p. m.	.731	.802	92.6	81.5	11.1	77.6	.63	92.1	86.5	NW	0.2					
2 „	.702	.789	92.8	81.2	11.6	77.1	.61	92.2	86.7	„	0.2					
3 „	.673	.762	92.2	81.0	11.2	77.0	.62	91.8	86.9	„	0.2					
4 „	.639	.759	90.5	80.3	10.2	76.6	.65	90.1	86.9	„	0.1					
5 „	.655	.747	89.2	80.2	9.0	76.9	.68	89.0	86.7	„	0.1					
6 „	.670	.744	86.8	80.0	6.8	77.5	.75	87.4	86.5	WNW	0.1					
7 „	.692	.773	85.6	79.5	6.1	77.3	.77	86.5	86.0	W	0.1					
8 „	.709	.791	84.8	79.3	5.5	77.3	.79	85.7	86.6	„	0.1					
9 „	.715	.790	84.6	79.4	5.2	77.5	.80	85.7	85.7	„	0.1					
10 „	.742	.815	84.4	79.4	5.0	77.6	.81	85.5	85.7	„	0.0					
11 „	.741	.812	84.2	79.4	4.8	77.6	.81	85.2	85.5	„	0.1					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ≤ cirro-strati; ∩≤ cumulo-strati; and ≤≤ nimbi.	
2	L	≤≤ around hor., moving E; patches of ≤≤ in N, NE, and zth., moving N.	
3	C	≤≤ scattered about, moving ESE.	
4	C	" "	
4	C	" "	
4	C	≤≤ scattered about, moving E.	
4	H	" "	
2	H	≤≤ scattered about hor, moving E.	
5	H	≤≤ scattered about, moving E.	
2	H	" "	
3	L	≤≤ scattered about hor.	
4	L	≤≤ scattered about.	
1	L	≤≤ scattered about hor.	
2	L	≤≤ scattered about, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 83°2.
3	N	" "	
2	N	" "	
3	N	" "	
8	N	Overcast with ≤≤, moving E; a few drops of rain at 4h. 38m.	
2	H	≤≤ scattered around hor.	
5	H	≤≤ and ≤≤ scattered about, moving E; mist in hor.	
5	H	≤≤ scattered about, moving E; mist in hor.	
4	H	" " "	
3	L	≤≤ scattered about hor., moving NE.	
1	L	≤≤ scattered around hor., a few patches about zth.	
4	L	≤≤ scattered about, moving NE.	
2	L	≤≤ scattered around hor., moving NE.	
2	G	≤≤ scattered about, rather densely around hor.	
3	G	" "	
2	G	" "	
2	G	" "	
4	N	Masses of ≤≤ scattered about, moving ESE.	
5	N	≤≤ around hor.; ≤ scattered about.	
5	N	≤≤ around hor., moving E; ≤ scattered about zth.	
6	N	≤≤ scattered around hor.; ≤ scattered about zth.; lightning in ESE.	
6	N	" " "	
7	N	Densely clouded with ≤; a few pieces of ≤≤ floating in E; lightning in ESE.	
7	N	" " " "	
8	L	Overcast with ≤≤, moving SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 83°3.
6	C	≤≤ scattered throughout, moving SE.	
3	C	≤≤ scattered around hor. and in E and SE, moving ESE.	
2	C	≤≤ scattered about hor., moving ESE.	
4	C	≤≤ scattered about, moving ESE.	
7	H	≤≤ and ≤≤ scattered throughout, moving NE.	
6	H	" " "	
4	H	≤≤ scattered about, moving NE.	
3	H	" "	
2	L	≤≤ around hor.; ≤≤ in N, NE, E, and S of zth., moving N; ≤ scattered in S hem.	
2	L	≤≤ around hor.; ≤≤ and ≤ scattered in E, SE, and S; a few patches of ≤≤ in W.	
1	L	≤≤ in hor.; ≤ from E to S above hor.; a few patches of ≤≤ in W.	
1	L	≤≤ in hor.; ≤ scattered about hor., except in N and NE.	
3	C	≤≤ and ≤≤ scattered about, moving E.	
3	C	∩≤ along E hor.; ≤≤ scattered about, moving E.	
4	C	∩≤ in E hor.; ≤≤ scattered about.	
6	C	" "	
3	H	≤≤ and ≤≤ scattered about, moving E.	
6	H	≤≤ scattered throughout; ≤ from E to SW hor.	
6	H	≤≤ scattered throughout, moving E; continuous lightning in NE hor.	
2	H	≤≤ scattered about hor.; continuous lightning in NE hor.	
5	L	≤≤ scattered about, moving NE; continuous lightning in E hor.	
5	L	" " " "	
4	L	≤≤ scattered about rather densely around hor., moving N; lightning in SE at intervals of 1m.10s.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Reduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 12th-Midnight	29.721	28.800	84°2	79°2	5°0	77°4	0.81	85°1	85°5	W	0.1					
1 a. m.	.724	.833	83.5	78.3	5.2	76.3	.80	84.4	85.3	„	0.1					
2 „	.708	.805	83.2	78.5	4.7	76.7	.82	84.2	85.2	„	0.1					
3 „	.692	.808	83.0	78.0	5.0	76.1	.80	84.1	85.1	„	0.1					
4 „	.687	.769	82.0	78.8	4.2	77.3	.83	83.9	85.0	WNW	0.1					
5 „	.676	.789	82.7	78.0	4.7	76.2	.82	83.7	84.8	„	0.1					
6 „	.701	.823	82.8	77.8	5.0	75.9	.80	83.7	84.7	NW	0.2					
7 „	.727	.855	86.0	78.5	7.5	75.6	.72	86.2	84.9	NW b N	0.1					
8 „	.748	.847	87.2	79.5	7.7	76.7	.72	87.4	85.2	„	0.1					
9 „	.753	.806	88.8	81.0	7.8	78.2	.72	88.5	85.6	NNW	0.1					
10 „	.748	.815	89.3	80.8	8.5	77.8	.70	89.2	85.8	„	0.1		+	2		2.30
11 „	.742	.817	90.8	81.0	9.8	77.5	.66	90.0	86.1	„	0.1	None.	+	1	None.	1.20
Noon.	.717	.780	92.2	81.6	10.6	77.9	.64	92.2	86.4	NW	0.1		+	2		Above 10m.
1 p. m.	.693	.747	93.0	82.0	11.0	78.2	.63	92.2	86.8	„	0.1		+	1		Above 10m.
2 „	.670	.745	93.3	81.6	11.7	77.5	.61	92.4	87.0	„	0.1					
3 „	.649	.719	92.9	81.6	11.3	77.7	.62	92.2	87.2	„	0.2					
4 „	.623	.696	91.6	81.2	10.4	77.6	.65	91.0	87.2	„	0.2					
5 „	.625	.693	89.4	80.8	8.6	77.7	.69	89.5	87.0	„	0.2					
6 „	.622	.700	87.2	80.0	7.2	77.4	.74	87.7	86.6	„	0.1		+	2		Above 10m.
7 „	.633	.691	85.4	80.0	5.4	78.1	.79	86.4	86.2	„	0.2		+	1		Above 10m.
8 „	.658	.742	85.0	79.3	5.7	77.2	.78	86.0	86.0	WNW	0.1					
9 „	.676	.742	84.6	79.6	5.0	77.8	.81	85.6	85.9	„	0.0		+	1		Above 10m.
10 „	.638	.740	84.8	80.0	4.8	78.3	.81	85.9	85.8	„	0.1		+	1		Above 10m.
11 „	.692	.742	84.6	80.0	4.6	78.3	.82	85.6	85.8	„	0.1		+	1		Above 10m.
May 13th-Midnight	.684	.763	84.6	79.3	5.3	77.4	.80	85.5	85.7	NW	0.1		+	1		Above 10m.
1 a. m.	.673	.735	84.2	79.6	4.6	77.9	.82	85.0	85.6	„	0.1					
2 „	.667	.711	84.1	80.0	4.1	78.5	.84	85.1	85.5	„	0.2					
3 „	.655	.712	83.8	79.6	4.2	78.1	.84	84.6	85.4	„	0.3		+	2		Above 10m.
4 „	.656	.734	83.4	79.0	4.4	77.4	.83	84.1	85.2	„	0.0					
5 „	.653	.710	83.4	79.5	3.9	78.1	.85	84.2	85.1	„	0.1					
6 „	.677	.713	83.4	80.0	3.4	78.8	.86	84.2	85.0	„	0.1		+	1		Above 10m.
7 „	.695	.722	84.5	80.5	4.0	79.1	.84	85.5	85.2	WNW	0.1					
8 „	.714	.753	86.0	80.5	5.5	78.5	.79	86.7	85.4	„	0.1		+	1		Above 10m.
9 „	.712	.739	88.0	81.4	6.6	79.1	.76	88.4	85.8	NW	0.1					
10 „	.710	.729	88.9	81.8	7.1	79.4	.74	89.5	86.0	„	0.1					
11 „	.705	.726	91.1	82.3	8.8	79.3	.69	90.6	86.4	„	0.2					
Noon.	.690	.710	92.2	82.6	9.6	79.3	.67	91.7	86.6	„	0.1					
1 p. m.	.663	.713	92.6	82.0	10.6	78.3	.64	91.9	86.9	NNW	0.2	None.			None.	
2 „	.636	.638	92.8	82.0	10.8	78.3	.64	92.2	87.1	„	0.3					
3 „	.616	.656	91.6	82.0	9.6	78.7	.67	91.2	87.1	„	0.3					
4 „	.607	.640	91.0	82.0	9.0	78.9	.69	90.8	87.1	„	0.4					
5 „	.610	.667	88.4	80.8	7.6	78.1	.72	88.4	86.9	NW	0.3					
6 „	.614	.663	86.6	80.4	6.2	78.2	.77	87.2	86.6	„	0.3					
7 „	.621	.677	85.2	80.0	5.2	78.1	.80	86.1	86.2	„	0.3					
8 „	.637	.712	84.6	79.4	5.2	77.5	.80	85.0	86.0	„	0.4					
9 „	.661	.723	84.2	79.6	4.6	77.9	.82	85.4	85.8	„	0.3		+	1		Above 10m.
10 „	.669	.714	84.2	80.0	4.2	78.5	.84	85.2	85.7	„	0.4		+	1		Above 10m.
11 „	.675	.726	84.0	79.8	4.2	78.3	.84	85.0	85.5	NW b N	0.3		+	1		Above 10m.
May 14th-Midnight	.658	.715	83.8	79.6	4.2	78.1	.84	84.8	85.4	NW b N	0.3		+	2		Above 10m.
1 a. m.	.642	.678	83.4	80.0	3.4	78.8	.86	84.2	85.3	NW	0.2		+	1		Above 10m.
2 „	.636	.691	83.2	79.5	3.7	78.2	.85	84.2	85.2	„	0.1		+	1		Above 10m.
3 „	.636	.634	83.0	79.6	3.4	78.4	.86	84.2	85.1	W b N	0.0					
4 „	.628	.700	82.8	79.0	3.8	77.6	.85	84.0	85.0	W	0.1					
5 „	.635	.705	82.6	79.0	3.6	77.7	.86	83.9	85.0	„	0.1	None.			None.	
6 „	.643	.678	82.9	79.9	3.0	78.8	.88	84.0	84.9	„	0.0					
7 „	.667	.700	85.0	80.5	4.5	78.9	.83	96.1	85.1	WNW	0.1					
8 „	.680	.737	87.6	80.6	7.0	78.1	.74	88.2	85.5	„	0.2					
9 „	.639	.719	88.8	81.5	7.3	79.0	.74	88.8	85.7	NW	0.1					
10 „	.684	.743	90.2	81.2	9.0	78.0	.68	89.6	86.0	„	0.1					
11 „	.671	.714	91.9	82.0	9.9	78.6	.66	91.4	86.4	„	0.1					

Amount of Clouds 0—5.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
5	L	Light ≀≀ scattered about, moving NE; lightning at intervals.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°1 and 83°4.
5	C	≀≀ scattered about, moving ESE; continuous lightning & low rumbling thunder in SE every 10s.	
3	C	≀≀ scattered about hor., moving SE.	
4	C	≀≀ scattered in SE hem., moving SE.	
2	C	" "	
5	H	≀ along E hor.; ≀≀ scattered about, moving W.	
5	H	≀ along E hor.; ≀≀ and ≀≀ scattered about.	
4	H	≀≀ and ≀≀ scattered about.	
4	H	≀≀ around hor.; ≀ from SE to W hor.; ≀≀ scattered about, moving W.	
3	L	≀≀ around hor.; ≀ from E to SW hor.; ≀≀ in NE, E, and W, moving W.	
3	L	≀≀ around hor.; light ≀ in E and S; ≀≀ in N, NE, and SW, moving W.	
1	L	≀≀ in hor.; ≀ in SE and S hor.; ≀≀ above NE hor.	
1	L	≀≀ in hor.; ≀ and ≀≀ along E hor.	
1	C	∩, ≀, and ≀≀ along E hor.; ≀≀ in remainder of hor.	
2	C	∩ along E hor.; ≀ from NW to E hor.; ≀≀ around hor.	
2	C	≀≀ in SW and W hor.; ∩ and ≀≀ along E hor.	
3	C	≀≀ around hor.; ≀≀ in NE hem.	
4	H	≀≀ around hor., except in NE and S; ≀≀ scattered about, moving W.	
6	H	≀≀ around hor.; ≀≀ scattered throughout.	
4	H	≀≀ scattered about, moving E.	
2	H	≀≀ scattered around hor.	
2	L	"	
7	L	Densely clouded with ≀≀, moving E.	
8	L	Overcast with ≀≀, moving SE.	
8	L	Overcast with ≀≀, moving S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 83°5.
8	C	" "	
8	C	Overcast with ≀≀, moving SE.	
8	C	" "	
4	C	≀≀ scattered about hor. "	
7	H	≀≀ and ≀≀ scattered throughout, both moving E.	
4	H	≀≀ and ≀≀ scattered about, moving E.	
7	H	Densely clouded with ≀≀, moving E.	
7	H	" "	
7	L	∩ along E hor.; otherwise clouded with ≀≀ and ≀≀.	
7	L	" " " "	
2	L	∩ along E hor.; ≀≀ around hor.; ≀≀ in W hem. above hor.; ≀ above NW hor.	
1	L	∩ along E hor.; ≀≀ in E and W around hor.; a few patches of ≀≀ in N, NW, above hor.	
2	C	∩ along E hor.; pieces of ≀≀ scattered about, moving ESE; ≀≀ in SE, NW, and N hor.	
1	C	∩ along E hor.; pieces of ≀≀ scattered about hor., moving SE; patches of ≀≀ above S & W hor.	
3	C	∩ along E hor.; ≀≀ scattered about, moving SE; ≀≀ in S, NW, and E above hor.	
4	C	∩ along E hor.; ≀≀ scattered about, moving ESE.	
4	H	∩ along E hor.; ≀≀ scattered about, moving E.	
4	H	" "	
4	H	≀≀ scattered about; ≀ in E, SE, S, and SW above hor.	
2	H	≀≀ scattered about hor.; continuous lightning in E hor.	
2	L	" "	
2	L	≀≀ scattered about hor., moving SE; continuous lightning in SE hor.	
3	L	≀≀ scattered about hor.; lightning in E hor. every 4m.	
2	L	≀≀ scattered about SE hor., moving SE; lightning in ESE at intervals.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 83°6.
4	C	≀≀ scattered about, moving SE; lightning in SE every 2m.	
3	C	≀≀ scattered about; lightning in SSE hor. at intervals of more than 10m.	
4	C	≀≀ scattered about, no lightning visible.	
1	C	≀≀ scattered about hor. from NE to S.	
5	H	≀ in hor.; ≀≀ in NE; ≀ and ≀≀ scattered about, latter moving ENE.	
6	H	≀≀ scattered about, moving E; mist in hor.	
6	H	" " "	
4	H	≀≀ and ≀≀ scattered about, moving W; mist in hor.	
3	L	≀≀ scattered about hor., moving E; ≀≀ in NW and SE; light ≀ from E to W above hor.	
3	L	≀≀ scattered in W and E around hor.; ≀≀ in SE and S; light ≀ in E and W.	
2	L	≀≀ scattered around hor., moving E; ≀≀ in SW and W; light ≀ above E, SE, and W hor.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 14th–Noon.	29.660	28.705	92°2	82°0	10°2	78°5	0.65	91°5	86°6	WNW	0.2					
1 p. m.	.630	.686	93.2	82.0	11.2	78.1	.63	92.3	87.0	NW	0.3					
2 „	.604	.653	93.0	82.0	11.0	78.2	.63	92.2	87.2	„	0.3					
3 „	.538	.632	92.1	82.0	10.1	78.5	.66	91.2	87.1	„	0.4					
4 „	.565	.600	90.8	81.9	8.9	78.8	.69	90.2	87.1	„	0.5					
5 „	.558	.579	88.7	81.7	7.0	79.3	.75	88.7	87.0	„	0.4	None.			None.	
6 „	.561	.576	86.2	81.2	5.0	79.5	.81	86.4	86.5	„	0.3					
7 „	.571	.602	84.9	80.5	4.4	79.0	.83	85.7	86.0	„	0.6					
8 „	.601	.616	84.6	80.8	3.8	79.5	.85	85.4	86.0	„	0.4					
9 „	.639	.654	84.6	80.8	3.8	79.5	.85	85.8	85.9	„	0.3					
10 „	.652	.667	84.6	80.8	3.8	79.5	.85	85.5	85.8	„	0.2		+	2		Above 10m.
11 „	.648	.652	84.4	81.0	3.4	79.8	.87	85.4	85.7	NNW	0.1		+	1		Above 10m
May 15th–Midnight	.634	.636	84.2	81.0	3.2	79.9	.87	85.2	85.6	NW b N	0.2					
1 a. m.	.630	.630	84.0	81.0	3.0	80.0	.88	84.7	85.6	„	0.1		+	1		Above 10m.
2 „	.620	.618	83.8	81.0	2.8	80.0	.89	84.7	85.5	NNW	0.1		+	1		Above 10m.
3 „	.614	.633	83.4	80.4	3.0	79.4	.88	84.2	85.3	N	0.0					
4 „	.603	.657	83.2	80.0	3.2	78.2	.87	84.2	85.3	NNW	0.2					
5 „	.604	.619	83.0	80.4	2.6	79.5	.90	83.8	85.1	„	0.1					
6 „	.634	.647	83.2	80.5	2.7	79.5	.89	84.2	85.1	„	0.1					
7 „	.642	.654	85.1	81.0	4.1	79.6	.84	86.0	85.3	„	0.1					
8 „	.644	.661	86.6	81.2	5.4	79.3	.80	87.0	85.5	„	0.2					
9 „	.652	.674	88.8	81.7	7.1	79.3	.74	89.0	85.9	„	0.2					
10 „	.645	.645	89.8	82.4	7.4	79.9	.74	89.9	86.2	NW b N	0.2					
11 „	.642	.602	90.7	83.3	7.4	80.9	.74	90.2	86.5	„	0.4					
Noon.	.614	.600	91.6	83.0	8.6	80.1	.70	91.2	86.7	„	0.4					
1 p. m.	.589	.608	92.1	82.6	9.5	79.3	.67	91.6	87.0	„	0.4					
2 „	.551	.555	91.6	82.8	8.8	79.8	.70	90.9	87.0	„	0.5					
3 „	.520	.533	90.2	82.1	8.1	79.3	.71	89.7	87.0	„	0.5					
4 „	.515	.547	89.3	81 6	7.7	78.9	.72	89.1	86.9	„	0.6					
5 „	.533	.535	88.2	82.0	6.2	79.9	.77	88.4	86.9	NW	0.2					
6 „	.572	.594	86.2	81.3	4.9	79.3	.81	86.8	86.5	W b N	0.1		—	Out of Sc.	Out of Sc.	Instantly.
7 „	.683	.718	85.6	80.6	5.0	78.8	.81	86.6	86.3	S	2.0		—	Out of Sc.	Out of Sc.	Instantly.
8 „	.674	.784	79.2	77.1	2.1	76.3	.91	80.0	85.2	N	0.4	0.10	—	Out of Sc.	Out of Sc.	Instantly.
9 „	.682	.807	83.8	78.0	5.8	75.8	.67	81.4	85.0	SSW	0.2	0.05	—	Out of Sc.	Out of Sc.	Instantly.
10 „	.693	.742	79.6	78.0	1.6	77.4	.93	81.0	84.7	SE b E	0.1	0.05	—	Out of Sc.	Out of Sc.	Instantly.
11 „	.604	.697	79.4	77.6	1.8	76.9	.92	80.7	84.4	SSE	0.3	0.04				
May 17th–Midnight	.633	.708	82.0	79.2	2.8	78.1	.89	82.7	84.2	S	1.0					
1 a. m.	.665	.636	82.0	80.0	2.0	79.3	.92	82.7	84.0	SE	0.8					
2 „	.650	.719	81.8	78.8	3.0	77.7	.88	82.4	83.9	SSE	1.2					
3 „	.621	.702	81.8	78.5	3.3	77.3	.87	82.4	83.9	„	0.3					
4 „	.611	.678	82.4	79.0	3.4	77.8	.86	82.9	83.9	S	0.6					
5 „	.621	.716	82.6	78.4	4.2	76.8	.83	83.2	83.9	„	1.0					
6 „	.643	.750	82.2	78.0	4.2	76.4	.83	83.0	83.9	„	0.6					
7 „	.642	.731	84.4	79.0	5.4	77.0	.79	84.8	84.2	SSW	0.4					
8 „	.648	.707	86.2	80.2	6.0	78.0	.77	86.2	84.5	„	1.5					
9 „	.665	.631	88.6	81.8	6.8	79.4	.75	86.6	84.9	„	0.4					
11 „	.670	.685	91.0	82.4	8.6	79.5	.70	90.6	85.5	„	0.4	Immeasurable.			None.	
10 „	.665	.676	89.8	82.2	7.6	79.6	.73	88.9	85.7	SW b S	0.3					
Noon.	.633	.610	90.8	83.2	7.6	80.7	.73	91.2	85.9	„	0.8					
1 p. m.	.619	.616	89.4	82.4	7.0	80.1	.75	89.8	86.0	SSW	0.8		+	2		5.00
2 „	.580	.584	88.4	82.0	6.4	79.8	.77	88.5	86.1	„	1.5					
3 „	.574	.619	88.5	81.1	7.4	78.5	.73	88.4	86.0	„	1.2					
4 „	.574	.621	87.1	80.7	6.4	78.4	.76	87.2	85.9	„	1.2					
5 „	.573	.597	85.8	80.9	4.9	79.2	.81	86.2	85.7	„	1.5					
6 „	.590	.642	84.8	80.0	4.8	78.3	.81	85.7	85.5	„	1.5					
7 „	.598	.650	84.1	79.8	4.3	78.3	.84	84.7	85.2	„	1.6					
8 „	.614	.696	83.7	79.0	4.7	77.3	.82	84.2	85.0	„	1.5					
9 „	.628	.709	83.6	79.0	4.6	77.3	.82	84.2	85.0	S b W	0.7					
10 „	.628	.732	83.5	78.4	5.1	76.5	.80	84.8	848.	S	0.5					
11 „	.624	.734	83.0	78.4	4.6	76.3	.82	84.6	84.7	„	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
2	L	scattered around hor.; light from E to SW above hor.	
2	C	and light around hor.	
2	C	around hor.; along E hor.	
2	C	and around hor.	
2	C	around hor.; scattered along E hor.	
3	H	scattered about hor., moving E.	
3	H	along E hor.; from N to SW hor.; scattered about.	
7	H	along E hor.; scattered throughout, moving W.	
8	H	Overcast with , moving E.	
8	L	Overcast; lightning in SE hor. every 40m.; a few drops of rain at 9h. 12m.	
7	L	scattered throughout, moving E; continuous lightning in SE.	
8	L	Overcast with ; lightning in SE hor. every 45s.	
8	L	Overcast with , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 83°7. Daily fall of rain by Osler's Gauge 0·26. Maximum Tension of Electricity by Henly's Apparatus 24·0. Maximum Length of Spark by Ronald's Measure 0·22.
8	C	Overcast; a few stars visible in SE.	
7	C	scattered throughout, moving E.	
7	C	,, ,,	
5	C	scattered about.	
6	H	from NW to E hor.; scattered throughout, moving N.	
6	H	from S to W hor.; about remainder of hor.; and scattered throught, moving SE.	
6	H	and scattered throughout, former moving S.	
6	H	scattered around hor.; and scattered throughout, latter moving SW.	
7	L	around hor.; scattered about.	
7	L	around hor., moving S; scattered in W hor.	
7	L	around hor., moving SE; light in remainder of sky.	
6	L	scattered along E and W hor.; scattered throughout.	
6	C	and along E hor.; scattered throughout.	
5	C	Electrical along E hor. above ENE hor.; light scattered throughout.	
6	C	along E hor.; scattered throughout.	
8	C	Electrical in E hor.; from E to W; scattered throughout.	
8	L	Electrical along E hor.; around hor.; patches of in E & W; scattered throughout.	
8	L	along E hor.; and scattered throughout, former moving W. [at 7h. 46m.	
8	L	Overcast with , moving NW; vivid lightning & rolling thunder in NE, E, & SE; rain commenced at 7h. 14m. ceased	
8	L	Overcast; vivid lightning and thunder in N and NE; drizzling rain commenced at 8h. 25m.	
8	L	Overcast; lightning in N every 40s.; raining lightly.	
8	L	Overcast; raining lightly.	
8	L	,, ,,	
8	L	Overcast with , moving NE; lightning in E hor. at intervals of 1m. 10s. rain from 12h. 37m. to 12h. 43m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 83°8.
8	C	Overcast with , moving NNE.	
8	C	Overcast with , moving NW.	
8	C	Overcast with , moving W.	
8	C	Overcast; strong breezes of wind blowing.	
8	H	Overcast; light breezes of wind blowing.	
8	H	around hor.; along E hor.; scattered throughout.	
6	H	and about hor. as before; scattered throughout, moving W.	
5	H	and around hor.; and scattered throughout, former moving W.	
4	L	in E, S, SW, and W hor.; in NW, N, and NE hor.; along E and around hor.	
5	L	around hor., except in NW; above S hor.; scattered about hor; and scattered about 8th.	
6	L	around hor., except in NW; scattered about, moving N.	
7	L	,, ,, ,, ,,	
7	C	,, ,, ,, ,,	
7	C	around hor.; and scattered throughout, both moving N.	
7	C	,, ,, ,, ,,	
7	C	around hor.; and scattered throughout, latter moving NNE.	
8	H	scattered throughout, moving W; around hor.	
7	H	around hor.; and scattered throughout.	
8	H	Overcast with and .	
6	H	scattered throughout.	
7	L	Nearly overcast with , moving W.	
8	L	Overcast with , moving N.	
8	L	,, ,,	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 18th-Midnight	29.595	28.692	82°8	78°4	4°4	76°7	0.83	83°8	84°5	S b E	0.5					
1 a. m.	.595	.707	82·6	78.0	4.6	76.2	.82	83.5	84.3	S	0.4					
2 „	.586	.693	82·2	78.0	4.2	76.4	.83	83.0	84.2	„	0.6					
3 „	.576	.683	82.2	78.0	4.2	76.4	.83	83.0	84.0	„	0.7					
4 „	.576	.683	82.2	78.0	4.2	76.4	.83	83.0	84.0	„	0.7					
5 „	.565	.651	81.8	78.4	3.4	77.1	.86	82.2	83.9	„	0.5					
6 „	.581	.647	81.9	78.9	3.0	77.8	.88	82.9	83.9	„	0.5					
7 „	.595	.646	83.2	79.6	3.6	78.3	.86	84.2	84.1	„	0.4					
8 „	.610	.639	85.4	80.7	4.7	79.0	.82	86.2	84.5	S b W	0.8					
9 „	.617	.633	88.2	81.7	6.5	79.4	.76	88.5	85.6	„	0.3					
10 „	.611	.626	91.0	82.4	8.6	79.4	.70	91.0	85.6	SSW	0.5					
11 „	.607	.587	91.6	83.3	8.3	80.6	.71	91.8	86.0	„	0 to 1¾	None.	Nnoe	None.	None.	None.
Noon.	.582	.573	90.4	82.8	7.6	80.2	.73	90.8	86.1	„	0 to ¾					
1 p. m.	.558	.542	90.6	83.0	7.6	80.5	.73	90.5	86.3	SW b S	0 to 1½					
2 „	.537	.514	90.0	83.0	7.0	80.7	.75	90.0	86.3	„	1 to 4					
3 „	.519	.496	88.8	82.7	6.1	80.7	.78	88.8	86.2	„	1 to 1½					
4 „	.496	.491	87.5	82.0	5.5	80.1	.80	87.5	86.0	„	1 to 2					
5 „	.493	.495	86.2	81.5	4.7	79.9	.82	86.2	85.9	„	1 to 1¾					
6 „	.512	.512	84.0	81.0	3.0	80.0	.88	84.3	85.5	SSW	1 to 2¼					
7 „	.523	.522	83.2	80.8	2.4	80.0	.90	84.0	85.1	„	¼ to 1⅛					
8 „	.543	.578	82.9	79.9	3.0	78.8	.88	83.8	85.0	„	0 to 1					
9 „	.550	.596	82.8	79.6	3.2	78.5	.87	83.8	84.9	„	1.0					
10 „	.558	.604	82.8	79.6	3.2	78.5	.87	83.6	84.6	S	1.5					
11 „	.543	.598	82.8	79.4	3.4	78.2	.86	83.6	84.6	„	0.5					
May 19th-Midnight	.537	.625	82·8	78.6	4.2	77.1	.83	83.5	84.6	S	0.3					
1 a. m.	.519	.597	82.6	78.8	3.8	77.4	.85	83.5	84.4	„	0.4					
2 „	.501	.568	82.4	79.0	3.4	77.8	.86	83.2	84.3	„	0.3					
3 „	.511	.616	82.0	78.0	4.0	76.5	.84	83.0	84.2	SE	0.3					
4 „	.511	.602	81.8	78.3	3.5	76.9	.86	82.5	84.0	„	0.2					
5 „	.495	.595	81.5	78.0	3.5	76.6	.86	82.3	84.0	SSE	0.4					
6 „	.501	.594	82.0	78.3	3.7	76.9	.85	83.0	83.9	SSW	0.2					
7 „	.513	.556	84.0	80.0	4.0	78.6	.84	84.5	84.1	„	0.3					
8 „	.521	.570	86.5	80.5	6.0	78.4	.78	86.9	84.5	„	0.6					
9 „	.550	.552	88.2	82.0	6.2	79.9	.77	88.2	84.9	„	0.5					
10 „	.553	.559	90.6	82.5	8.1	79.8	.71	90.3	85.4	SW	0.4					
11 „	.556	.549	90.6	82.8	7.8	80.2	.73	90.4	85.5	„	0.5	None.	None.	None.	None.	None.
Noon.	.536	.531	91.6	83.0	8.6	80.1	.70	91.0	85.9	„	0.7					
1 p. m.	.514	.478	91.8	83.7	8.1	81.1	.72	91.2	86.3	SW b W	0.5					
2 „	.494	.463	91.3	83.5	7.8	80.9	.73	90.9	86.4	„	0.6					
3 „	.481	.477	90.6	82.6	8.0	80.1	.72	90.1	86.5	„	0.8					
4 „	.474	.453	90.2	83.0	7.2	80.6	.74	89.7	86.5	„	0.4					
5 „	.480	.486	88.5	82.0	6.5	79.8	.76	88.2	86.4	WSW	0.3					
6 „	.486	.466	86.2	82.0	4.2	80.6	.84	86.5	86.0	„	0.4					
7 „	.499	.503	84.4	81.0	3.4	79.8	.87	85.2	85.6	SW	0.5					
8 „	.519	.542	83.8	80.4	3.4	79.2	.87	84.7	85.5	„	0.5					
9 „	.535	.526	83.2	81.0	2.2	80.2	.91	84.2	85.3	SSW	0.4					
10 „	.559	.584	82.8	80.3	2.5	79.2	.90	83.8	85.0	„	0.6					
11 „	.548	.622	82.6	78.9	3.7	77.5	.85	83.5	84.9	S b W	0.6					
May 20th-Midnight	.520	.598	82.6	78.8	3.8	77.4	.85	83.2	84.7	S b E	0.4					
1 a. m.	.500	.591	82.2	78.4	3.8	76.9	.85	83.2	84.5	S b W	0.4					
2 „	.479	.557	81.8	78.5	3.3	76.4	.87	82.9	84.4	SSW	0.3					
3 „	.487	.556	81.8	78.8	3.0	77.7	.88	82.6	84.2	S	0.4					
4 „	.487	.585	81.6	78.0	3.6	76.7	.86	82.6	84.1	„	0.5					
5 „	.489	.587	81.4	78.0	3.4	76.7	.86	82.4	84.0	„	0.6	None.	None.	None.	None.	None.
6 „	.518	.616	81.4	78.0	3.4	76.7	.86	82.4	84.0	„	0.8					
7 „	.534	.610	82.1	78.7	3.4	77.5	.86	83.1	84.0	„	0.5					
8 „	.563	.620	83.8	79.6	4.2	78.1	.84	84.8	84.2	„	0.6					
9 „	.572	.642	86.1	79.9	6.2	77.7	.77	86.6	84.6	„	0.4					
10 „	.565	.608	89.1	81.3	7.8	78.6	.72	88.8	85.1	SSW	1.0					
11 „	.552	.553	90.1	82.5	7.6	79.9	.73	90.7	85.5	SW b S	0.6					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
4	L	≀⌣ scattered about hor., moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 83°9.
5	C	≀⌣ scattered around hor. and in E hem.	
8	C	Overcast with ≀⌣, moving N; a few stars dimly visible.	
8	C	Overcast; lightning in SE every 5m.	
8	C	Overcast; continuous lightning in S; a few stars dimly visible about zth.	
8	H	∩⌣ around hor.; ≀⌣ and ≀≀ scattered throughout, moving NE.	
6	H	∩⌣ from SE to W hor.; ⌣ around hor.; ≀⌣ and ≀≀ scattered throughout, moving N.	
6	H	∩⌣ in hor. from ESE to W; ⌣ from N to E hor.; ≀⌣ and ≀≀ scattered throughout.	
6	H	∩⌣ from ESE to W hor.; ≀⌣ and ≀≀ scattered throughout.	
4	L	" " "	
6	L	∩⌣ along E hor.; ≀≀ from SE to W hor.; ≀⌣ scattered about, moving N.	
7	L	∩⌣ around hor.; ≀ in S and SE; ≀⌣ scattered from SW to NE.	
6	L	∩⌣ around hor.; ≀≀ about zth.; ≀⌣ moving N.	
4	C	∩⌣ around hor., except in NW; ≀≀ and ≀ in N and W above hor.	
5	C	∩⌣ around hor.; light ≀ from E to N hor.; ≀⌣ scattered in E hem., moving NNE.	
3	C	∩⌣ around hor.; light ≀ from E to N hor.; ≀≀ in E and SW above hor.	
3	C	∩⌣ along E hor.; light ≀⌣ in W hor.; light ≀ scattered about hor.	
3	H	∩⌣ around hor., except in W; ≀⌣ and ≀ scattered about hor.	
4	H	∩⌣ from N to SW hor.; ≀⌣ and ≀ scattered about, former moving N.	
5	H	Clouded as before; vivid lightning continuously flashing in N and NE.	
3	H	≀⌣ and ≀ scattered about, former moving N; vivid lightning continually observed in NE.	
6	L	≀⌣ around hor.; light ≀ scattered throughout; a lunar-halo; continuous lightning in NE.	
7	L	≀⌣ around hor., moving N; ≀ scattered throughout; lightning in NE every 35s.	
7	L	Clouded as before; lightning in NE at intervals of 2m. 40s.	
7	L	≀⌣ about hor., moving N; ≀ scattered about zth.; lightning in NE every 3m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 84°0.
7	C	≀⌣ scattered about, moving N; a few ≀ in S.	
7	C	≀ about zth.; ≀⌣ moving N.	
6	C	" "	
4	C	≀⌣ scattered about hor., moving N.	
4	H	⌣ around hor.; ≀ and ≀⌣ scattered about, moving N.	
5	H	∩⌣ from S to W hor.; ⌣ in the remainder of hor.; ≀⌣ and ≀≀ moving N.	
4	H	∩⌣ from SE to W hor.; ≀≀ scattered about, moving N; mist in hor.	
5	H	∩⌣ in SE, S, & SW hor.; ≀⌣ in E & W hor.; ≀≀ & ≀ scattered about, former moving N.	
3	L	∩⌣ along E hor.; ≀⌣ along W hor.; ≀ around hor.; a few masses of ≀⌣ floating N.	
3	L	∩⌣ from N to W hor.; ≀⌣ around hor.; ≀ scattered about.	
3	L	∩⌣ scattered from N to W hor.; ≀≀ around hor.; ≀ scattered about.	
3	L	∩⌣ around hor.; ≀≀ around hor. and in SE; ≀ from E to SW.	
3	C	∩⌣ around hor.; ≀≀ in E of zth.; ≀ scattered about hor.	
3	C	∩⌣ along E hor.; ≀⌣ around hor., moving NNE; ≀≀ in E, SE, & S above hor.; ≀ from N to S hor.	
3	C	∩⌣ in N and E hor., ≀≀ from E to S hor., ≀ from E to N hor.; ≀⌣ moving NNE.	
4	C	∩⌣ in NE & E hor.; ≀≀ in E, SE, & S; ≀ from S to N hor.; ≀⌣ moving NNE.	
4	H	∩⌣ and ≀⌣ around hor.; ≀≀ and ≀ scattered about, former moving NE.	
6	H	∩⌣ along E hor.; ≀⌣ and ≀≀ scattered throughout, former moving NNE.	
6	H	∩⌣ in N, NE, & E hor.; ≀⌣ from S to NW hor.; ≀≀ & fleecy clouds scattered about, moving W; lightning in N &	
4	H	≀⌣ scattered about, moving W; lightning in NE every 5s. [NE hor. every half minute.	
8	L	Densely clouded with ≀⌣ and ≀, former moving N; a few patches of ≀≀ about zth.; lightning in NE hor. every 50s.	
8	L	Densely clouded with ≀⌣ and ≀; lightning in NE at intervals of about 1m. 40s.	
8	L	Densely clouded with ≀⌣ & ≀, moving W; lightning in NE at intervals of 1m. 26s.	
5	L	≀⌣ scattered about hor., moving W; ≀ scattered about; lightning in SW hor. at intervals of 35s.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 84°0. At 4 P. M. the Reading of Barometer was lowest in the month, and about 0·164 lower than the Normal Mean.
4	C	≀⌣ around hor.; ≀ in S and SW above hor.; lightning in SW every 5m.	
5	C	≀ in S above hor.; ≀⌣ scattered about, moving W.	
4	C	≀ in SE and S of zth.; ≀⌣ scattered about hor.	
6	C	≀ in S and W of zth.; ≀⌣ scattered about.	
5	H	≀⌣ scattered about, moving NW.	
8	H	Overcast with ≀⌣, moving NW.	
8	H	" "	
8	H	" "	
8	L	≀⌣ above S hor.; otherwise clouded with ≀⌣, moving NW; ∩⌣ along E hor.	
8	L	∩⌣ along E hor.; ≀⌣ and ≀≀ scattered throughout, both moving N.	
7	L	∩⌣ in S and SW hor.; ≀⌣ around hor.; ≀ in SE & S hor.; ≀≀ scattered throughout.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May. 20th-Noon.	29.518	28.531	91°6	82°6	9°0	79°5	0.69	91°4	85°9	SW b S	0 to 1					
1 p. m.	.499	.512	91.6	82.6	9.0	79.5	.69	91.5	86.1	S b W	0 to 4½					
2 „	.479	.480	91.0	82.7	8.3	79.9	.71	90.7	86.3	SSW	1½ to 5					
3 „	.465	.483	89.6	82.0	7.6	79.4	.73	89.5	86.3	„	3 to 5					
4 „	.464	.484	87.6	81.4	6.2	79.3	.77	87.4	86.0	„	3 to 6					
5 „	.476	.474	85.4	81.4	4.0	80.0	.84	85.7	85.8	„	2 to 6	None.	None.	None.	None.	None.
6 „	.493	.510	83.2	80.4	2.8	79.4	.89	84.0	85.4	„	2 to 3½					
7 „	.543	.573	82.8	80.0	2.8	79.0	.89	83.7	85.1	„	1 to 1½					
8 „	.547	.584	82.3	79.7	2.6	78.8	.89	83.4	85.0	S	1 to 1½					
9 „	.559	.569	82.2	80.3	1.9	79.5	.92	83.2	84.7	SSE	½ to 1					
10 „	.558	.651	82.0	78.3	3.7	76.9	.85	82.8	84.5	SE	½ to 1					
11 „	.552	.654	81.7	78.0	3.7	76.6	.85	82.6	84.5	„	½ to 2½					
May. 21st-Midnight	.553	.649	81.2	78.0	3.2	76.8	.87	82.2	84.0	S	0.8					
1 a. m.	.520	.637	80.9	77.4	3.5	76.0	.86	81.8	83.8	SSE	3.0					
2 „	.512	.616	80.8	77.7	3.1	76.5	.87	81.6	83.6	„	1.6					
3 „	.512	.626	80.7	77.4	3.3	76.1	.87	81.5	83.5	„	0.3					
4 „	.507	.601	81.0	78.0	3.0	76.8	.88	82.1	83.5	ESE	0.2					
5 „	.509	.615	81.0	77.7	3.3	76.4	.87	81.9	83.5	SE	0.3					
6 „	.523	.630	81.4	77.8	3.6	76.4	.85	82.4	83.5	„	0.3					
7 „	.541	.624	83.4	78.9	4.5	77.2	.82	84.2	83.8	„	0.4					
8 „	.554	.620	86.1	80.0	6.1	77.8	.77	86.3	84.2	„	0.3					
9 „	.566	.616	87.8	80.8	7.0	78.3	.74	88.0	84.5	S	0.2					
10 „	.565	.603	90.6	81.8	8.8	78.7	.69	89.9	85.0	„	0.3					
11 „	.540	.557	91.2	82.4	8.8	79.1	.69	90.2	85.4	SSW	0.4					
Noon.	.527	.530	92.4	83.0	9.4	79.9	.68	91.1	85.7	„	0.5	None.	None.	None.	None.	None.
1 p. m.	.508	.471	93.0	84.0	9.0	81.1	.69	92.2	86.2	SW	0.3					
2 „	.488	.444	92.4	84.0	8.4	81.3	.71	91.8	86.4	„	0.4					
3 „	.476	.428	92.5	84.1	8.4	81.4	.71	92.1	86.5	„	0.3					
4 „	.486	.438	92.0	84.0	8.0	81.4	.72	91.6	86.6	W	0.3					
5 „	.492	.455	90.4	83.4	7.0	81.1	.75	89.9	86.8	SW	0.2					
6 „	.505	.439	88.2	83.5	4.7	82.0	.83	88.5	86.5	SSW	0.5					
7 „	.535	.513	86.0	82.0	4.0	80.6	.85	86.8	86.0	„	0.2					
8 „	.555	.524	85.2	82.0	3.2	80.9	.88	86.0	85.9	„	0.2					
9 „	.562	.553	84.8	81.4	3.4	80.2	.87	85.2	85.7	S b W	0.5					
10 „	.566	.533	84.2	81.8	2.4	81.0	.90	84.9	85.5	S	0.6					
11 „	.567	.534	84.2	81.8	2.4	81.0	.90	84.9	85.5	„	0.4					
May 22nd-Midnight	.538	.501	83.8	81.8	2.0	81.1	.92	84.6	85.3	SSW	0.4					
1 a. m.	.529	.499	83.3	81.5	1.8	80.9	.93	84.2	85.2	„	1.2					
2 „	.526	.528	82.6	80.6	2.0	79.9	.92	83.2	85.0	SW	0.3					
3 „	.513	.516	80.0	79.9	0.1	79.9	1.00	81.2	84.5	NW	0.2	0.02				
4 „	.525	.559	80.1	79.2	0.9	78.9	0.96	81.7	84.2	„	0.2					
5 „	.523	.475	81.7	81.5	0.2	81.4	.99	82.9	84.5	NNW	0.0	0.02				
6 „	.564	.518	83.0	81.8	1.2	81.4	.95	84.2	84.5	NW	0.2		—	Out of Sc.	40	0.02
7 „	.600	.559	83.4	81.8	1.6	81.2	.93	84.4	84.5	„	0.3		—	Out of Sc.	Out of Sc.	Instantly.
8 „	.615	.567	83.6	82.0	1.6	81.4	.93	84.4	84.6	W	0.4		—	Out of Sc.	Out of Sc.	Instantly.
9 „	.630	.591	83.2	81.7	1.5	81.2	.94	84.2	84.5	„	0.2	0.04	—	Out of Sc.	Out of Sc.	Instantly.
10 „	.649	.596	83.2	82.0	1.2	81.6	.96	84.4	84.5	SW	0.2	0,01	—	Out of Sc.	Out of Sc.	Instantly.
11 „	.638	.573	84.1	82.5	1.6	82.0	.94	85.0	84.6	WSW	0.2					
Noon.	.634	.546	85.8	83.4	2.4	82.6	.91	86.6	84.9	SW	0.2					
1 p. m.	.624	.523	87.2	84.0	3.2	83.0	.88	88.1	85.2	„	0.2					
2 „	.612	.537	89.5	84.0	5.5	82.3	.80	89.6	85.7	WSW	0.2					
3 „	.607	.532	89.5	84.0	5.5	82.3	.80	90.1	85.9	„	0.3					
4 „	.604	.546	89.2	83.5	5.7	81.7	.79	89.2	86.0	SW	0.2					
5 „	.610	.556	87.2	83.0	4.2	81.6	.84	87.2	85.8	„	0.6					
6 „	.621	.552	85.8	83.0	2.8	82.1	.89	86.2	85.6	„	0.5					
7 „	.644	.598	83.8	82.0	1.8	81.4	.93	85.0	85.1	„	0.5		+	9	7	2.09
8 „	.657	.611	83.8	82.0	1.8	81.4	.93	84.9	85.1	„	0.6		+	1		Above 10m.
9 „	.675	.653	84.0	81.5	2.5	80.6	.90	85.0	85.0	„	0.6					
10 „	.675	.650	83.8	81.5	2.3	80.7	.91	84.7	85.0	„	0.3		+	1		Above 10m
11 „	.670	.649	83.7	81.4	2.3	80.6	.91	84.4	85.0	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
7	L	∩ in NE, S, & SW hor., ∪ in NW & N hor.; ≀∩ from N to S hor.; ≀≀ scattered throughout.	
4	C	∩ along E hor.; ≀∩ around hor.; ≀ above E and N hor.; ≀≀ scattered about; fresh breezes of wind from S.	
3	C	∩ along E hor.; ∪ above NW hor.; ≀≀ from E to W above hor.; fresh breezes of wind from S.	
3	C	∩ in NE hor.; ≀∩ from N to W hor.; ≀≀ from E to W hor.; ∪ above NW hor.; strong breezes of wind from S.	
3	C	∩ in NE hor.; ≀∩ from E to SW hor.; ≀≀ from E to W hor.	
4	H	∩ in NE hor.; ≀∩ and ≀≀ scattered about, moving N.	
5	H	" " "	
5	H	∩ from N to ENE hor.; ≀∩ around hor.; ≀∩ and ≀≀ scattered about; lightning in N for every minute.	
3	H	≀∩ around hor. and about zth.; lightning in NE.	
4	L	≀∩ around hor.; ≀ scattered here and there; lightning in NE.	
8	L	Densely clouded with ≀∩, moving NW.	
5	L	≀∩ scattered about hor., moving N.	
2	L	≀∩ and ≀ scattered about; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 84°0.
2	C	Light ≀ above W hor.; ≀∩ scattered around hor., moving NNW.	
1	C	≀∩ scattered around hor., moving NNW.	
2	C	≀∩ scattered about hor., moving NW.	
3	C	≀∩ around hor.; ≀ scattered about zth.	
2	H	∪ from NW to E; ≀ and ≀≀ scattered about, latter moving W.	
2	H	∩ in SE, S, and W hor.; ≀ and mist around hor.	
2	H	" "	
5	H	∩ in hor. from N to S; ≀ scattered around hor.; ≀≀ moving W	
4	L	∩ in SE and S hor.; ≀∩ from NE to SE; ≀ and ≀≀ scattered about hor., moving W.	
2	L	≀∩ from N to SE hor.; ≀ and ≀≀ scattered about, latter moving W.	
2	L	∩ along E hor.; ≀ and ≀≀ scattered about hor.	
1	L	∩ along E hor.; ≀ from E to SW hor.; a few ≀ above N hor.	
2	C	∩ from N to W hor.; ≀ scattered about hor.	
3	C	∩ along E hor.; ≀ scattered around hor.; a few patches of ≀≀ above N hor.	
3	C	∩ along E hor.; ≀∩ from E to SW hor., moving NE; light ≀ in NW and N.	
4	C	∩ along E hor.; light ≀ above W & N hor.; ≀∩ above SE hor.; ≀∩ moving NE; thunder in ESE heard at 4h. 3m.	
6	H	∩ along E hor.; ≀∩ scattered about, moving N.	
5	H	" " "	
6	H	∩ from NW to NE hor.; ≀∩ and ≀∩ scattered about, *moving N*; sheet *lightning* continually flashing in NE.	
8	H	Densely clouded; a faint lunar-halo; lightning in NE.	
8	L	Overcast with ≀∩ and ≀; sheet lightning in NE for every minute.	
8	L	Overcast; continuous lightning in SW hor.	
8	L	Overcast; continuous lightning in S and SW hor.	
8	L	Overcast with ≀∩, moving N; continuous lightning in hor. from S to W; thunder in SW heard at 0h.40m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 84°0. Daily fall of rain by Osler's Gauge, 0·10. Maximum Tension of Electricity by Henly's Apparatus 10.0. Maximum length of Spark by Ronald's Measure 0·09.
8	C	Overcast; continuous lightning from S to N hor.; drops of rain from 1h. 14m. to 1h. 19m.	
8	C	Overcast; continuous lightning in hor. from S to N hor.; light rain from 2h. 2m. to 2h. 40m.	
8	C	Overcast; continuous lightning in SW; thunder in SW at intervals; drops of rain from 3h. to 3h. 38m.	
8	C	Overcast with ≀∩, moving E; lightning in S and W every 3m.; thunder in SE; light rain at 4h. 40m. which lasted 5m.	
8	H	Overcast; lightning in SE; thunder in SW; light rain at 5h. which lasted 7m.	
8	H	Overcast; thunder in SW; lightning in SE.	
8	H	Overcast in two strata with ≀∩ moving E; thunder in SW.	
8	H	Overcast; lightning in SE; thunder in SW and SE; rain commenced at 8h. 5m. and ceased at 8h. 25m.	
8	L	Overcast; lightning with thunder in SW; drops of rain from 9h. 25m. to 9h. 50m.	
8	L	Overcast with ≀∩, moving SE.	
8	L	" "	
8	L	Overcast with ≀∩, moving S.	
8	C	Overcast with ≀∩, moving NE.	
8	C	≀∩ around hor.; ≀≀ scattered throughout.	
8	C	Densely clouded with ≀∩, moving NE.	
7	C	≀∩ around hor.; ≀≀ scattered otherwise.	
8	H	Overcast with ≀∩, moving NE.	
7	H	Densely clouded with ≀∩; light rain at 6h. 32m.	
8	H	Overcast with ≀∩ in two strata, lower stratum, moving NE.	
8	H	" " " "	
7	H	Nearly overcast with ≀∩.	
6	H	≀∩ scattered about.	
5	H	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 25th-Midnight	29.748	28.700	82°8	81°8	1°0	81°4	0.96	83°6	84°6	WSW	0·1					
1 a. m.	.741	.794	82.6	79.4	3.2	78.2	.87	83.2	84.5	„	0·1					
2 „	.728	.799	82.2	78.9	3.3	77.6	.87	83.0	84.5	„	0.1					
3 „	.720	.797	82.0	78.7	3.3	77.4	.87	83.0	84.3	„	0.2					
4 „	.714	.819	82.0	78.0	4.0	76.5	.84	82.8	84.2	„	0.1					
5 „	.714	.857	81.1	76.8	4.3	75.1	.82	81.9	84.0	SW b S	0.1					
6 „	.739	.800	81.8	79.0	2.8	78.0	.89	82.9	84.0	„	0.2					
7 „	.760	.799	83.6	80.0	3.6	78.7	.86	84.4	84.3	W b S	0.2					
8 „	.775	.790	85.4	81.0	4.4	79.5	.83	86.2	84.5	W	0·2					
9 „	.793	.806	88.0	81.7	6.3	79.5	.77	88.0	85.0	„	0·2					
10 „	.788	.813	89.4	81.8	7.6	79.2	.73	89.0	85.4	„	0.3	None.	None.	None.	None.	None.
11 „	.784	.810	90.4	82.0	8.4	79.1	.70	90.0	85.7	„	0·4					
Noon.	.772	.791	91.4	82.4	9.0	79.4	.69	90.8	86.0	„	0·5					
1 p. m.	.746	.745	92.0	83.0	9.0	80.0	.69	91.1	86.3	WSW	0.2					
2 „	.733	.775	91.8	82.0	9.8	78.6	.67	90.9	86.5	„	0·2					
3 „	.713	.738	91.5	82.3	9.2	79.2	.68	90.9	86.6	„	0.2					
4 „	.706	.752	91.0	81.7	9.3	78.5	.68	90.5	86.7	„	0·2					
5 „	.711	.764	88.8	81.0	7.8	78.2	.72	89.0	86.5	„	0·2					
6 „	.720	.769	86.5	80.5	6.0	78.4	.78	87.0	86.1	„	0·2					
7 „	.729	.785	85.2	80.0	5.2	78.1	.80	86.0	86.0	„	0.3					
8 „	.743	.799	84.4	79.8	4.6	78.1	.82	85.2	85.6	„	0.3					
9 „	.750	.819	84.0	79.4	4.6	77.8	.82	84.8	85.4	„	0.3					
10 „	.762	.817	83.6	79.6	4.0	78.2	.84	84.5	85.3	„	0.2					
11 „	.755	.808	83.4	79.6	3.8	78.3	.85	84.3	85.2	„	0.2					
May 26th-Midnight	.741	.785	83.4	79.8	3.6	78.5	.86	84.2	85.1	WSW	0.2					
1 a. m.	.726	.788	83.0	79.3	3.7	77.9	.85	83.7	84.9	„	0.1					
2 „	.712	.782	82.6	79.0	3.6	77.7	.86	83.2	84.7	„	0.2					
3 „	.712	.817	82.0	78.0	4.0	76.5	.84	82.9	84.5	„	0.2					
4 „	.716	.805	82.0	78.4	3.6	77.0	.86	82.9	84.4	„	0.3					
5 „	.720	.805	82.1	78.5	3.6	77.2	.86	82.9	84.4	„	0.3					
6 „	.736	.824	82.4	78.5	3.9	77.1	.85	83.2	84.4	„	0.3					
7 „	.758	.811	84.2	79.8	4.4	78.2	.83	85.2	84.5	„	0.2					
8 „	.770	.835	86.4	80.1	6.3	77.8	.76	87.0	84.8	SW b W	0.2					
9 „	.770	.823	88.4	80.9	7.5	78.2	.73	88.5	85.2	„	0.4					
10 „	.781	.827	90.2	81.5	8.7	78.5	.69	90.1	85.6	„	0.4					
11 „	.758	.807	91.6	81.8	9.8	78.4	.66	90.8	86.0	„	0.5	None.	None.	None.	None.	None.
Noon.	.754	.811	92.4	81.8	10.6	78.1	.64	91.5	86.3	„	0.4					
1 p. m.	.734	.782	92.8	82.1	10.7	78.4	.64	92.1	86.6	SW	0.2					
2 „	.715	.767	92.8	82.0	10.8	78.3	.64	92.2	86.8	„	0.3					
3 „	.701	.747	92.3	82.0	10.3	78.5	.65	92.0	87.0	WSW	0.2					
4 „	.693	.750	90.4	81.3	9.1	78.1	.68	90.2	87.0	„	0.3					
5 „	.692	.696	88.5	81.2	7.3	79.8	.74	89.2	86.7	SW	0.2					
6 „	.707	.756	86.5	80.5	6.0	78.4	.78	87.1	86.5	„	0.4					
7 „	.714	.780	85.0	79.7	5.3	77.8	.80	85.8	86.0	„	0.2					
8 „	.724	.771	84.4	80.0	4.4	78.4	.83	85.2	85.8	„	0.3					
9 „	.742	.801	84.0	79.6	4.4	78.0	.83	84.8	85.6	„	0.2					
10 „	.747	.861	82.8	78.0	4.8	76.1	.81	83.6	85.3	WSW	0.5					
11 „	.741	.775	83.2	80.0	3.2	78.9	.87	84.2	85.2	SW	0.8					
May 27th-Midnight	.727	.803	83.2	79.0	4.2	77.5	.83	84.0	85.1	SW	0.8					
1 a. m.	.705	.781	83.8	79.0	4.2	77.5	.83	84.0	85.0	„	0.8					
2 „	.693	.743	82.8	79.5	3.3	78.3	.87	83.8	84.8	„	0.7					
3 „	.688	.781	82.4	78.4	4.0	76.9	.84	83.2	84.6	„	0.4					
4 „	.692	.799	82.2	78.0	4.2	76.4	.83	83.0	84.4	„	0.4					
5 „	.700	.802	82.1	78.1	4.0	76.6	.84	83.0	84.4	„	0.4					
6 „	.728	.821	82.4	78.4	4.0	76.9	.84	83.5	84.4	„	0.3					
7 „	.733	.831	84.4	78.8	5.6	76.7	.78	85.2	84.6	WSW	0.2	None.	None.	None.	None.	None.
8 „	.752	.840	86.6	79.6	7.0	77.1	.74	87.0	84.9	„	0.4					
9 „	.760	.826	88.4	80.6	7.8	77.8	.72	88.8	85.3	„	0.3					
10 „	.759	.825	90.0	81.0	9.0	77.8	.68	89.8	85.7	„	0.5					
11 „	.755	.775	91.9	82.5	9.4	79.3	.68	91.8	86.0	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote *the clouds* are: ∿ *cirri*; ∿ cirro-cumuli; ⌒ *cumuli*; ∿ cirro-strati; ⌒ *cumulo-strati*; and ∿ *nimbi*.	
3	L	∿ scattered about hor., moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 84°1. The Temperature of Evaporation at 5 A.M. was lowest in the month, and about 4°3 lower than the Normal Mean.
6	C	∿ scattered about.	
2	C	∿ scattered around hor., moving NE.	
4	C	∿ scattered about, moving NE.	
3	C	" "	
5	H	" "	
4	H	∿ scattered about, moving NE; light mist in hor.	
6	H	∿ scattered about, moving NE; mist in hor.	
5	H	" " "	
2	L	∿ scattered around hor.	
2	L	"	
4	L	∿ scattered about, moving E.	
3	L	∿ scattered about hor., moving NE.	
4	C	∿ scattered about, moving NE.	
5	C	" "	
5	C	∿ scattered about, moving NE.	
4	C	∿ scattered about, moving ENE.	
4	H	∿ scattered about, moving NE.	
4	H	" "	
3	H	∿ around hor., moving NE.	
3	H	" "	
1	L	Masses of ∿ around hor., moving ENE.	
1	L	" "	
3	L	∿ scattered about hor., moving E.	
3	L	Masses of ∿ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 84°2.
4	C	∿ scattered about, moving ENE.	
7	C	Densely clouded with ∿; a light shower of rain at 2h. 2m.	
4	C	∿ scattered about hor., moving NE.	
3	C	" "	
6	H	∿ scattered about, moving NE.	
3	H	Masses of ∿, moving NE.	
3	H	" "	
3	H	" "	
3	L	∿ scattered about hor., moving NE.	
4	L	" "	
2	L	" "	
3	L	∿ scattered here and there, moving NE.	
3	C	∿ scattered about hor., moving NE.	
3	C	" "	
3	C	" "	
5	C	∿ scattered about, moving NE.	
7	H	" "	
6	H	" "	
2	H	Masses of ∿ around hor. and about zth., moving NE.	
2	H	Masses of ∿, moving NE.	
2	L	" "	
7	L	Densely clouded with ∿, moving NE; a light shower of rain at 10h. 12m.	
5	L	∿ scattered about, moving NE.	
8	L	Overcast with ∿, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°4 and 84°3.
7	C	Densely clouded with ∿, moving NE.	
6	C	∿ scattered about.	
4	C	∿ around hor.; a few ∿ in SE of zth.	
2	C	∿ around hor.; a few ∿ in S of zth.	
2	H	∿ around hor.; a few ∿ in E of zth.	
6	H	∿ scattered throughout; mist in hor.	
3	H	Masses of ∿, moving NE; mist in hor.	
3	H	∿ scattered about hor.; mist in hor.	
3	L	" "	
2	L	∿ scattered about hor., moving E.	
6	L	∿ scattered throughout, moving NE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By New mann's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of sensible after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 27th—Noon.	29.740	28.760	92°2	82°6	9°6	79°3	0.67	91°8	86°3	WSW	0.2					
1 p. m.	.722	.741	92.7	82.7	10.0	79.4	.66	92.2	86.5	SW	0.2					
2 „	.703	.744	93.0	82.3	10.7	78.6	.64	92.2	86.8	WSW	0.2					
3 „	.673	.733	92.3	81.7	10.6	78.0	.64	91.7	87.0	„	0.2					
4 „	.666	.716	91.3	81.7	9.6	78.3	.67	90.8	87.0	„	0.2	None.			None.	
5 „	.667	.715	89.2	81.2	8.0	78.4	.71	89.2	86.8	„	0.2					
6 „	.673	.727	86.6	80.4	6.2	78.2	.77	87.0	86.5	„	0.2					
7 „	.680	.736	85.2	80.0	5.2	78.1	.80	85.7	86.0	SW b W	0.2		+	1		Above 10m.
8 „	.694	.750	84.4	79.8	4.6	78.1	.82	85.2	85.8	WSW	0.2		+	1		Above 10m.
9 „	.717	.778	84.1	79.6	4.5	78.0	.82	84.6	85.6	„	0.1					
10 „	.723	.788	83.7	79.4	4.3	77.8	.83	84.0	85.4	SW	0.2					
11 „	.712	.776	83.6	79.4	4.2	77.9	.84	84.0	85.3	„	0.2		+	1		Above 10m.
May 28th—Midnight	.697	.754	83.4	79.5	3.9	78.1	.85	84.2	85.2	SW	0.3		+	1		Above 10m.
1 a. m.	.683	.757	83.0	79.0	4.0	77.5	.84	83.9	85.0	„	0.2		+	1		Above 10m.
2 „	.670	.749	82.7	78.8	3.9	77.4	.85	83.6	84.9	„	0.2		+	1		Above 10m.
3 „	.668	.752	82.4	78.6	3.8	77.2	.85	83.2	84.7	SW b W	0.2		+	2		Above 10m.
4 „	.669	.802	82.4	77.4	5.0	75.5	.80	83.1	84.5	„	0.2		+	1		Above 10m.
5 „	.678	.762	82.4	78.5	3.9	77.2	.85	83.2	84.5	„	0.2		+	1		Above 10m.
6 „	.698	.782	82.4	78.6	3.8	77.2	.85	83.4	84.5	SW	0.2		+	1		Above 10m.
7 „	.720	.795	84.2	79.3	4.9	77.5	.81	85.2	84.6	„	0.2		+	1		Above 10m.
8 „	.738	.804	86.1	80.0	6.1	77.8	.77	86.5	84.9	„	0.1		+	1		Above 10m.
9 „	.756	.793	87.4	81.0	6.4	78.8	.76	88.4	85.4	„	0.1		+	1		Above 10m.
10 „	.742	.773	90.8	82.0	8.8	79.0	.69	90.2	85.8	„	0.2		+	1		Above 10m.
11 „	.741	.782	91.7	82.0	9.7	78.6	.67	90.9	86.2	„	0.2					
Noon.	.725	.788	92.2	81.6	10.6	77.9	.64	91.2	86.4	„	0.3	None.				
1 p. m.	.709	.729	93.2	82.8	10.4	79.3	.65	92.6	86.7	WSW	0.3					
2 „	.692	.746	93.0	82.0	11.0	78.2	.66	92.1	87.0	„	0.3		+	1		Above 10m.
3 „	.672	.739	92.6	81.6	11.0	77.8	.66	91.9	87.1	„	0.2		+	1		Above 10m.
4 „	.654	.654	91.6	82.0	9.6	78.7	.67	91.2	87.1	„	0.2		+	1		Above 10m.
5 „	.657	.696	89.6	81.5	8.1	78.7	.71	89.5	87.0	„	0.2		+	2		Above 10m.
6 „	.668	.742	86.8	80.0	6.8	77.5	.75	87.2	86.5	„	0.1		+	2		Above 10m.
7 „	.678	.768	85.2	79.2	6.0	77.0	.77	86.1	86.1	„	0.2		+	8	5	Above 10m.
8 „	.693	.776	84.6	79.2	5.4	77.2	.79	85.4	86.0	SW	0.2		+	2		Above 10m.
9 „	.726	.798	84.3	79.4	4.9	77.6	.81	84.9	85.7	„	0.1		+	2		Above 10m.
10 „	.737	.808	83.8	79.3	4.5	77.6	.83	84.5	85.5	„	0.1		+	3		Above 10m.
11 „	.733	.792	83.6	79.5	4.1	78.0	.84	84.2	85.4	„	0.2		+	2		Above 10m.
May 29th—Midnight	.720	.800	83.6	79.0	4.6	77.3	.82	84.0	85.3	SSE	0.1		+	2		Above 10m.
1. a. m.	.710	.784	83.0	79.0	4.0	77.5	.84	84.0	85.1	„	0.1		+	2		Above 10m.
2 „	.689	.761	82.8	79.0	3.8	77.6	.85	83.9	85.0	„	0.1					
3 „	.691	.744	83.0	79.5	3.5	78.2	.85	83.9	84.8	S	0.2					
4 „	.700	.777	82.5	78.8	3.7	77.3	.85	83.6	84.8	„	0.1					
5 „	.702	.769	82.4	79.0	3.4	77.8	.86	83.4	84.8	„	0.1					
6 „	.726	.764	82.8	79.8	3.0	78.7	.88	84.0	84.8	„	0.1					
7 „	.743	.767	85.0	80.7	4.3	79.2	.83	86.0	85.0	SE	0.1					
8 „	.754	.765	87.4	81.6	5.8	79.6	.78	88.2	85.3	SSE	0.1					
9 „	.766	.801	88.8	81.4	7.4	78.8	.73	88.7	85.7	SSW	0.1					
10 „	.768	.808	90.8	81.8	9.0	78.7	.69	90.0	86.0	SW b S	0.1					
11 „	.763	.811	91.5	81.8	9.7	78.4	.66	90.6	86.3	„	0.2					
Noon.	.756	.791	92.0	82.2	9.8	78.8	.67	91.4	86.6	„	0.1				None.	
1 p. m.	.734	.743	93.0	83.0	10.0	79.7	.66	92.1	86.9	W b S	0.1					
2 „	.720	.729	93.0	83.0	10.0	79.7	.66	92.1	87.1	„	0.2					
3 „	.700	.709	92.9	83.0	9.9	79.7	.67	92.2	87.2	„	0.2					
4 „	.690	.705	91.8	82.6	9.2	79.5	.68	91.3	87.3	„	0.2					
5 „	.693	.728	89.6	81.6	8.0	78.8	.72	89.9	87.1	„	0.2					
6 „	.703	.740	87.4	81.0	6.4	78.8	.76	87.8	86.8	„	0.3					
7 „	.732	.766	84.8	80.4	4.4	78.9	.83	85.2	86.4	WNW	0.2					
8 „	.761	.784	83.3	80.4	3.4	79.2	.87	84.9	86.0	WSW	0.1	0.04				
9 „	.770	.806	83.7	80.1	3.6	78.8	.86	84.5	85.7	„	0.1					
10 „	.794	.839	83.4	79.8	3.6	78.5	.86	84.0	85.6	„	0.4					
11 „	.779	.835	81.4	79.0	2.4	78.1	.90	82.5	85.2	S	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
4	L	≀≀ scattered about hor., moving NE.	
3	C	" "	
2	C	" "	
1	C	≀≀ around hor.; a few ≀ in NE of zth.	
2	C	Masses of ≀≀, moving NE; a few ≀ in NE and E of zth.	
2	H	≀≀ scattered about hor., moving NE.	
3	H	" "	
4	H	≀≀ scattered about, moving NE.	
2	H	≀≀ scattered around hor.	
3	L	"	
6	L	≀≀ scattered about, moving NE.	
5	L	" "	
4	L	≀≀ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°4 and 84°3.
3	C	≀≀ scattered around hor.	
5	C	"	
6	C	≀≀ scattered throughout.	
3	C	≀≀ scattered about hor.	
3	H	"	
3	H	"	
4	H	≀≀ scattered about, moving NE.	
3	H	≀≀ scattered about hor., moving NE.	
2	L	" "	
3	L	≀≀ scattered about, moving NE.	
5	L	" "	
3	L	≀≀ scattered about hor.	
1	C	"	
1	C	"	
1	C	≀≀ scattered around hor., except in S.	
1	C	≀≀ scattered around hor.	
4	H	≀≀ scattered about.	
3	H	≀≀ scattered about hor.	
3	H	"	
7	H	≀≀ scattered throughout.	
4	L	≀≀ scattered about hor., moving NE.	
4	L	" "	
5	L	≀≀ scattered about, moving NW.	
5	L	≀≀ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°4 and 84°3. Daily fall of rain by Osler's Gauge 0·06in.
5	C	≀≀ in E and SE, moving SW; ≀≀ scattered about, moving N.	
7	C	≀≀ and ≀≀ scattered throughout, former moving SW latter flying N.	
8	C	Overcast with ≀≀ and ≀≀, former moving NNE.	
5	C	≀≀ and ≀≀ scattered about, former moving NNE.	
7	H	≀≀ and ≀≀ scattered throughout, both moving NNE.	
7	H	" " "	
6	H	" " "	
6	H	" " "	
6	L	≀≀ and ≀≀ scattered throughout, former moving NE.	
3	L	≀≀ scattered in SW & N also around hor., moving NE; a few patches of ≀≀ above E hor.	
3	L	≀≀ scattered about, hor., from NW to S.	
6	L	≀≀ scattered about, moving NE.	
3	C	≀≀ around hor., moving NE; ≀≀ in S and E hor.	
3	C	≀≀ around hor.; a few patches of ≀≀ in E hor.	
3	C	≀≀ around hor., moving ENE; a few patches of ≀≀ above E hor.	
4	C	≀≀ scattered about, moving ENE; a few ≀ in ESE hor.	
2	H	≀≀ scattered about, moving ENE.	
5	H	≀≀ moving ENE; light rain commenced at 6h. 46m.	
8	H	Overcast with ≀≀, moving NE; rain ceased at 7h. 28m.	
6	H	≀≀ scattered throughout, moving N; drizzling rain from 8h. to 8h. 17m. lightning in E.	
8	L	Overcast with ≀≀, moving NE.	
8	L	" "	
8	L	" "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
May 30th-Midnight	29.756	28.817	81°8	79°0	2°8	78°0	0.89	82°9	85°1	SSW	0.3					
1 a. m.	.753	.866	79.1	77.0	2.1	76.2	.91	80.2	84.6	ESE	0.4					
2 „	.748	.832	79.0	77.7	1.3	77.2	.95	80.2	84.5	„	0.6					
3 „	.752	.828	79.4	78.0	1.4	77.5	.94	80.2	84.2	„	0.3					
4 „	.753	.829	79.4	78.0	1.4	77.5	.94	80.2	84.0	„	0.4					
5 „	.752	.837	79.4	77.8	1.6	77.3	.93	80.9	83.9	SE b S	0.1					
6 „	.787	.836	80.7	79.0	1.7	78.4	.93	82.2	83.9	SSE	0.1					
7 „	.823	.885	80.8	78.7	2.1	77.9	.91	82.2	83.9	ESE	0.2					
8 „	.832	.920	81.2	78.2	2.1	77.1	.88	82.4	83.9	„	0.2					
9 „	.824	.900	83.2	79.0	4.2	77.5	.83	82.6	84.1	„	0.3					
10 „	.814	.884	85.0	79.6	5.4	77.7	.79	84.7	84.4	S b E	0.1	None.	None.	None.	None.	None.
11 „	.810	.841	86.9	81.0	5.9	79.0	.78	86.2	84.7	SSW	0.1					
Noon.	.806	.854	88.4	81.0	7.4	78.4	.73	88.2	85.2	„	0.1					
1 p. m.	.795	.801	88.5	82.0	6.5	77.7	.76	88.6	85.3	SW	0.1					
2 „	.778	.843	89.9	81.0	8.9	78.0	.69	88.8	85.6	WSW	0.1					
3 „	.766	.826	91.3	81.7	9.6	79.0	.67	89.8	86.0	W b S	0.1					
4 „	.756	.785	91.0	82.1	8.9	79.0	.69	90.1	86.1	W	0.1					
5 „	.763	.783	88.2	81.6	6.6	79.3	.76	88.6	86.0	„	0.3					
6 „	.770	.801	86.8	81.0	5.8	79.0	.78	87.2	85.8	„	0.3					
7 „	.794	.823	85.4	80.7	4.7	79.0	.82	86.2	85.5	WSW	0.2					
8 „	.802	.809	84.6	81.0	3.6	79.7	.86	85.2	85.4	SW	0.3					
9 „	.819	.849	84.0	80.3	3.7	79.0	.85	84.6	85.3	„	0.2					
10 „	.844	.872	83.8	80.3	3.5	79.1	.86	84.5	85.0	„	0.2					
11 „	.834	.874	83.7	80.0	3.7	78.7	.85	84.3	85.0	„	0.2					
June 1st-Midnight	.811	.840	80.4	79.4	1.0	79.0	.96	79.2	84.5	WNW	0.1	0.86				
1 a. m.	.804	.891	78.2	77.4	0.8	77.1	.97	79.2	84.1	W	0.1	0.47				
2 „	.804	.867	78.2	78.0	0.2	77.9	.99	80.2	83.9	W b N	0.1	0.05	—	Out of Sc.	52	0.06
3 „	.790	.823	80.0	79.2	0.8	78.9	.97	80.8	83.9	N b W	0.1	0.02	—	Out of Sc.	100	0.06
4 „	.784	.788	80.1	79.9	0.2	79.8	.99	80.8	83.8	N	0.0	0.02				
5 „	.783	.796	79.8	79.5	0.3	79.5	.99	80.6	83.5	SE b E	0.1					
6 „	.796	.799	80.4	80.0	0.4	79.9	.98	81.4	83.5	„	0.1					
7 „	.814	.806	82.9	80.9	2.0	80.2	.92	84.1	84.0	„	0.0					
8 „	.830	.803	85.5	82.0	3.5	80.8	.86	87.3	84.5	„	0.0					
9 „	.834	.788	86.2	82.6	3.6	81.4	.86	87.4	84.8	S b E	0.2		+	6	4	2.00
10 „	.849	.878	80.4	79.4	1.0	79.0	.96	79.8	84.4	WNW	0.3	0.04	—	Out of Sc.	45	
11 „	.830	.868	80.1	79.1	1.0	78.7	.96	81.5	83.7	W b S	0.1	0.03	—	Out of Sc.	Out of Sc.	Instantly.
Noon.	.818	.807	83.0	81.0	2.0	80.3	.92	84.0	84.1	WSW	0.2	0.09	+	4		Above 10m.
1 p. m.	.801	.825	84.2	80.5	3.7	79.2	.85	84.6	84.3	WNW	0.1					
2 „	.776	.801	84.3	80.5	3.8	79.2	.85	84.6	84.4	„	0.1					
3 „	.756	.754	83.8	81.0	2.8	80.0	.89	84.5	84.3	„	0.1					
4 „	.760	.758	83.8	81.0	2.8	80.0	.89	84.2	84.3	„	0.1					
5 „	.759	.750	83.2	81.0	2.2	80.2	.91	83.9	84.3	NW b W	0.0					
6 „	.763	.775	82.4	80.3	2.1	79.6	.91	82.6	84.2	N b W	0.0					
7 „	.772	.791	81.8	80.0	1.8	79.4	.93	82.6	83.9	N E b N	0.0		+	1		Above 10m.
8 „	.774	.777	81.6	80.3	1.3	79.9	.95	82.3	83.9	ENE	0.1		+	1		Above 10m.
9 „	.776	.788	81.2	80.0	1.2	79.6	.95	82.2	83.8	E b S	0.2		+	1		Above 10m.
10 „	.784	.796	81.2	80.0	1.2	79.6	.95	82.0	83.7	ESE	0.4		+	3		Above 10m.
11 „	.768	.778	81.0	80.0	1.0	79.6	.96	82.0	83.5	SE	0.4		+	1		Above 10m.
June 2nd-Midnight	.750	29.762	81.2	80.0	1.2	79.6	.95	82.2	83.5	SE b S	0.3		+	2		Above 10m.
1 a. m.	.743	.730	81.6	80.7	0.9	80.4	.96	82.6	83.5	SSE	0.3		+	4		Above 10m.
2 „	.737	.716	81.7	80.9	0.8	80.6	.97	82.7	83.6	S	0.2		+	6		5.00
3 „	.737	.733	81.7	80.5	1.2	80.1	.95	82.7	83.6	WSW	0.1		+	2		Above 10m.
4 „	.751	.747	81.7	80.5	1.2	80.1	.95	82.7	83.6	„	0.2		—	Out of Sc.	100	0.08
5 „	.750	.764	81.4	80.0	1.4	79.5	.94	82.3	83.5	W b S	0.0		—	Out of Sc.	Out of Sc.	Instantly.
6 „	.774	.839	80.3	78.5	1.8	77.8	.92	80.9	83.3	S	0.2	0.02	—	20	16	1.05
7 „	.779	.854	79.3	78.0	1.3	77.5	.95	80.0	83.0	SW	0.1	0.10	+	2		Above 10m.
8 „	.809	.834	81.4	79.6	1.8	79.0	.92	82.2	83.3	„	0.1		+	1		Above 10m.
9 „	.806	.834	82.6	80.0	2.6	79.1	.90	83.7	83.5	„	0.2		+	2		Above 10m.
10 „	.807	.814	84.6	81.0	3.6	79.7	.86	85.5	83.9	„	0.1		+	2		Above 10m.
11 „	.803	.760	88.2	83.0	5.2	81.3	.81	88.4	84.4	SSW	0.1		—	Out of Sc.	Out of Sc.	Instantly.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
8	L	Overcast with , moving W.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°4 and 84°4. The morning Maximum of Barometer was 2 hours earlier; the greatest height of Barometer during the month was at 8 A. M., and it was about 0'111. higher than the Normal Mean height for that hour; the Temperature of Free Air at 2 A. M. was lowest, and about 3°0 lower than the Normal Mean Temperature.
8	C	Overcast.	
8	C	"	
8	C	"	
8	C	"	
8	H	"	
8	H	"	
8	H	"	
8	H	"	
8	L	"	
8	L	"	
8	L	"	
7	L	in NE and E hor.; and scattered about, moving N.	
5	C	in NE and E hor.; around hor.; scattered about, moving N.	
6	C	along E hor.; around hor.; scattered about, moving N.	
6	C	" " " "	
7	C	in E hor.; scattered about.	
7	H	in E hor.; and scattered throughout, both moving W.	
7	H	" " "	
7	H	& scattered throughout, both moving N; continuous lightning in N & ENE after 7h. 50m.	
5	H	scattered about, moving N; continuous lightning in N and ENE hor.	
3	L	scattered about hor., moving N.	
7	L	Densely clouded with , moving N.	
6	L	" "	
8	H	Overcast with whose motion was not apparent; lightning and thunder in N; rain commenced at 11h. 30m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°6 and 84°5. Daily fall of rain by Osler's Gauge 1.56in. Maximum Tension of Electricity by Henly's Apparatus 8°0. Maximum length of Spark by Ronald's Measure 0'12; the greatest Reading of Barometer during the month occurred on this day at 10 A. M., which was about 0'122 greater than the Normal Mean.
8	B	Overcast; lightning and thunder along E hor.; raining.	
8	B	" " "	
8	B	Overcast; lightning & thunder along E hor. every 1m. 30s. raining lightly from 3h. to 3h. 29m.	
8	B	Overcast with , moving NE; lightning in NW.	
8	C	Overcast with , moving NW.	
8	C	" "	
7	C	scattered about hor.; moving NW; & scattered throughout, in SW hor.	
7	C	Clouded as at 7 A. M.; thunder in W heard at 8h. 40m. [commenced at 9h. 53m.	
6	H	along W hor.; and scattered throughout, moving N; thunder in WNW heard at 9h. 37m.; light rain	
8	H	Overcast with , moving E; rumbling thunder in W; raining lightly.	
8	H	Overcast; rain ceased at 11h. 45m.	
7	H	scattered throughout, moving E.	
8	B	along E hor.; otherwise clouded with , moving E.	
8	B	in NW and W; scattered throughout.	
8	B	" "	
8	B	Overcast with , moving SE; drops of rain fell from 4h. 30m. to 4h. 37m.	
8	C	Overcast with ; along W hor.	
8	C	Overcast with ; along W hor.; drops of rain falling from 6h. 18m. to 6h. 47m.	
8	C	Overcast with , moving SSE.	
8	C	Overcast with , moving SW.	
4	H	scattered about hor.; moving SW.	
5	H	scattered about, moving S.	
5	H	" "	
7	H	Densely clouded with , moving S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°5 and 84°5. Daily fall of rain by Osler's Gauge 1.58in. Maximum Tension of Electricity by Henly's Apparatus 10.0. Maximum length of Spark by Ronald's Measure 0.11in. the Temperature of Evaporation at 11 A. M. was greatest in the month.
8	B	Overcast with , moving E.	
8	B	" "	
8	B	" "	
8	B	Overcast with , moving NE; lightning at 4h. 27m. continuous thunder in S from 4h. 34m.	
8	C	Overcast; thunder in S and ESE every 2m.	
8	C	Overcast; light rain commenced at 6h. 3m. and ceased at 6h. 44m.	
8	C	Overcast with , moving E; fog along E hor.	
8	C	around hor.; and scattered about; fog along E hor.	
7	H	and scattered about, both moving E; thunder in NW heard at 9h. 45m.	
6	H	in NW & W; & scattered about, moving E; continuous thunder in NW after 10h. 52m.	
6	H	and scattered about, moving E; around hor.; continuous thunder in NW.	

Bombay Civil Time 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 2nd-Noon.	29.787	29.848	83°8	79°5	4°3	78°0	0.83	84°4	84°2	ENE	0.1		+	2		Above 10m.
1 p. m.	.780	.785	84.1	80.9	3.2	79.8	.87	84.6	84.2	SSW	0.1		—	Out of Sc.	Out of Sc.	Instantly.
2 „	.768	.770	84.2	81.0	3.2	79.9	.87	84.9	84.2	SW b S	0.1		+	2		Above 10m.
3 „	.752	.822	81.1	78.6	2.5	77.7	.90	80.8	83.7	SW	0.1	0.72	+	2		Above 10m.
4 „	.732	.783	79.4	78.6	0.8	78.3	.97	81.2	83.3	WSW	0.1	0.60	+	2		Above 10m.
5 „	.727	.784	79.6	78.5	1.1	78.1	.95	80.2	83.3	SE b E	0.1	0.12	—	Out of Sc.	30	0.02
6 „	.729	.796	79.7	78.3	1.4	77.7	.94	80.6	83.2	ESE	0.0		—	Out of Sc.	Out of Sc.	Instantly.
7 „	.741	.822	78.7	77.7	1.0	77.3	.96	79.6	83.0	E b N	0.0	0.02				
8 „	.741	.805	79.0	78.2	0.8	77.9	.97	79.8	82.9	„	0.1	0.01				
9 „	.748	.801	79.2	78.5	0.7	78.2	.97	80.2	82.8	„	0.2		+	1		
10 „	.752	.805	79.2	78.5	0.7	78.2	.97	80.2	82.7	ENE	0.2		+	1		
11 „	.738	.798	79.4	78.4	1.0	78.0	.96	80.2	82.6	E	0.1					
June 3rd-Midnight	.733	.780	79.8	78.8	1.0	78.4	.96	80.7	82.7	E	0.1					
1 a. m.	.731	.787	79.0	78.6	0.4	78.1	.98	80.4	82.6	ENE	0.5					
2 „	.725	.763	79.0	78.8	0.2	78.7	.99	80.4	82.6	E	0.2					
3 „	.726	.797	79.3	78.1	1.2	77.6	.95	80.5	82.6	„	0.1					
4 „	.722	.780	79.7	78.5	1.2	78.1	.95	80.6	82.6	„	0.1					
5 „	.703	.752	79.6	78.7	0.9	78.4	.96	80.2	82.5	E b S	0.2					
6 „	.722	.754	79.9	79.2	0.7	78.9	.97	80.7	82.5	E b N	0.1					
7 „	.729	.767	81.7	79.5	2.2	78.7	.91	82.2	82.8	„	0.0					
8 „	.738	.760	82.5	80.1	2.4	79.3	.90	82.9	83.0	„	0.0					
9 „	.746	.752	84.5	81.0	3.5	79.8	.86	84.4	83.5	„	0.1	Immeasurable.	+	1		Above 10m.
10 „	.751	.721	85.3	82.0	3.3	80.9	.87	86.2	83.8	„	0.2		+	1	None.	Above 10m.
11 „	.745	.775	87.1	81.1	6.0	79.0	.78	87.3	84.0	„	0.2		+	1		Above 10m.
Noon.	.728	.767	88.4	81.2	7.2	78.7	.74	88.2	84.5	WSW	0.2		+	1		Above 10m.
1 p. m.	.715	.799	87.0	79.8	7.2	77.2	.74	86.8	84.5	WNW	0.2					
2 „	.693	.779	86.0	79.5	6.5	77.1	.76	86.2	84.4	„	0.2					
3 „	.686	.751	86.0	80.0	6.0	77.8	.77	86.5	84.4	W b N	0.3					
4 „	.683	.741	85.4	80.0	5.4	78.1	.79	85.8	84.4	„	0.1					
5 „	.687	.756	85.6	79.8	5.8	77.7	.78	86.1	84.5	„	0.1					
6 „	.699	.786	84.2	79.0	5.2	77.1	.80	84.3	84.3	WNW	0.1					
7 „	.708	.792	83.2	78.8	4.4	77.2	.83	83.8	84.0	W	0.1		+	1		Above 10m.
8 „	.719	.830	82.5	78.0	4.5	76.3	.82	83.1	83.9	„	0.0					
9 „	.730	.835	82.0	78.0	4.0	76.5	.84	82.8	83.7	„	0.0					
10 „	.734	.848	81.7	77.7	4.0	76.1	.84	82.3	83.5	„	0.1					
11 „	.730	.841	81.4	77.7	3.7	76.3	.85	82.2	83.5	„	0.1					
June 4th-Midnight	.710	28.806	81.2	78.0	3.2	76.8	.87	82.2	83.4	W b S	0.1					
1 a. m.	.697	.806	81.2	77.7	3.5	76.3	.86	82.2	83.3	„	0.1					
2 „	.689	.798	80.9	77.6	3.3	76.3	.86	81.7	83.2	WSW	0.1					
3 „	.683	.778	80.7	77.9	2.8	76.8	.89	81.2	83.0	„	0.1					
4 „	.685	.813	81.2	77.2	4.0	75.6	.84	81.6	83.0	„	0.1					
5 „	.695	.831	81.2	77.0	4.2	75.4	.83	81.9	83.0	W b S	0.1					
6 „	.713	.797	81.6	78.4	3.2	77.2	.87	82.2	83.0	WSW	0.1					
7 „	.734	.806	82.8	79.0	3.8	77.6	.85	84.1	83.5	„	0.1					
8 „	.760	.785	84.3	80.5	3.8	79.2	.85	85.3	83.6	W b S	0.1					
9 „	.765	.883	87.7	79.2	8.5	76.0	.69	88.0	84.1	„	0.1					
10 „	.763	.860	88.2	79.8	8.4	76.7	.70	88.3	84.5	W	0.1					
11 „	.751	.856	90.1	80.1	10.0	76.5	.65	89.6	84.8	„	0.1	Immeasurable.	+	1	None.	Above 10m.
Noon.	.738	.812	90.0	80.8	9.2	77.5	.68	89.4	85.0	W b S	0.1		+	1		Above 10m.
1 p. m.	.722	.778	89.1	81.0	8.1	78.1	.71	88.2	85.3	„	0.1		+	1		Above 10m.
2 „	.710	.782	90.2	80.9	9.3	77.6	.68	90.4	85.4	„	0.1		+	1		Above 10m.
3 „	.705	.794	90.3	80.5	9.8	77.0	.66	90.5	85.5	W	0.2		+	1		Above 10m.
4 „	.688	.772	90.9	80.8	10.1	77.2	.65	90.5	85.6	WSW	0.2		+	1		Above 10m.
5 „	.683	.789	88.2	79.6	8.6	76.4	.69	88.2	85.6	W b S	0.2		+	1		Above 10m.
6 „	.696	.821	85.8	78.5	7.3	75.8	.73	86.1	85.3	WSW	0.1		+	1		Above 10m.
7 „	.705	.832	84.0	78.0	6.0	75.7	.77	84.6	84.8	W b S	0.1					
8 „	.731	.887	83.4	77.1	6.3	74.6	.76	84.1	84.5	SW b W	0.2					
9 „	.736	.876	83.0	77.4	5.6	75.2	.78	83.8	84.5	WSW	0.1					
10 „	.742	.864	82.8	77.8	5.0	75.6	.80	83.6	84.3	„	0.1		+	1		Above 10m.
11 „	.742	.859	82.3	77.8	4.5	76.0	.82	83.2	84.1	„	0.1		+	1		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
8	H	⌒ along W hor.; ≀ scattered throughout; continuous thunder in NW.	
8	B	⌒ in N hor.; ≀ scattered throughout.	
8	B	∩ along E; ≀ scattered throughout; a few patches of ≀ in SW; rain commenced at 2h. 37m.	
8	B	Overcast with ≀; rain ceased at 3h. 27m. & recommenced at 3h. 33m. which lasted for 8m. thunder in W heard at 3h. 37m.	
8	B	Overcast with ≀, moving E; thunder in SE hor.	
8	C	Overcast with ≀, moving NNE; light rain commenced at full hour & 5h. 15m. a flash of lightning in SE observed at 5h. 27m.	
8	C	Overcast; rain commenced at 6h. 3m.	
8	C	Overcast; rain ceased at 7h. 20m.	
8	C	Overcast; no rain.	
3	H	≀ scattered around hor.; lightning in SE every 3m.	
5	H	≀ scattered about, moving E; lightning in SE hor.	
2	H	≀ scattered around hor.	
4	H	Light ≀ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 84°6.
3	B	" "	
3	B	" "	
7	B	≀ scattered throughout, moving NE.	
7	B	≀ scattered throughout, moving E.	
8	C	Overcast with ≀, moving ESE.	
7	C	≀ scattered throughout; a few patches of ≀ about zth.	
8	C	Overcast with ≀, moving E; breaks in N.	
7	C	Densely clouded with ≀, moving E; ≀ in NE about zth.	
6	H	≀ and ≀ scattered about, both moving E.	
6	H	" "	
6	H	Scattered throughout; a few patches of ≀ in N above hor.; both moving NE.	
7	H	≀ scattered throughout, moving NE; ⌒ in E hor.	
7	L	⌒ along E hor.; ≀ and ⌇ scattered throughout, former moving E.	
8	L	⌒ along E hor.; otherwise clouded with ≀ and ⌇.	
8	L	" " "	
8	L	" " "	
7	C	⌒ along E hor.; ≀ around hor.; ≀ in N and E; ⌇ scattered throughout.	
6	C	≀ along E hor.; ≀ and ⌇ scattered throughout, former moving ENE.	
6	H	" " "	
3	C	≀ around hor., moving ENE; ⌇ above W and S hor.	
3	C	≀ around hor., moving E; a few ⌇ in NW hor.	
2	H	≀ scattered around hor.	
3	H	≀ scattered around hor.; lightning in SE every 5m.	
5	H	≀ scattered throughout, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 84°9.
4	L	≀ scattered about, moving NE.	
2	L	≀ scattered around hor., moving NE.	
4	L	≀ scattered about hor., moving NE; a few drops of rain at 3h. 38m.	
7	L	≀ scattered throughout, moving NE.	
4	C	≀ scattered about, moving NE; light ⌇ above N & W hor.; ≀ above WSW hor.	
5	C	≀ and ≀ scattered about, former moving NNE.	
7	C	≀ scattered throughout, moving NNE.	
7	C	≀ scattered throughout, moving NE.	
3	H	⌒ from ESE to SW hor.; ≀ in remainder of hor.; ≀ in NNE & E above hor.	
4	H	≀ and ≀ scattered about, both moving NE.	
5	H	≀ around hor., ≀ scattered about, both moving NE.	
6	H	≀ scattered throughout; ≀ in NNE; a shower of rain at 0h. 55m. which lasted 2m.	
8	L	Overcast with ≀, moving E; a few patches of ≀ in NE hor.	
7	L	Densely clouded with ≀, moving ENE; ≀ in NW and N hor.	
4	L	≀ scattered about, moving E; ⌒ in hor. from SW to NE.	
3	L	≀ scattered about hor., moving ENE; ⌒ in NE hor.	
5	C	≀ scattered about, moving ENE; ⌒ in NE hor.	
5	C	≀ scattered about, moving ENE.	
4	C	≀ scattered about, moving NE.	
3	C	≀ scattered about hor., moving NE.	
2	H	" "	
2	H	≀ scattered about hor., moving N; a passing shower of rain at 10h. 45m.	
4	H	≀ scattered about, moving E.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 5th-Midnight	29.729	28.856	82°2	77°5	4°7	75°7	0.81	83°0	84°0	SW b W	0.1		+	2		Above 10m.
1 a. m.	.730	.841	82.2	77.9	4.3	76.3	.83	83.1	84.0	„	0.1		+ + +	1		Above 10m.
2 „	.728	.833	82.0	78.0	4.0	76.5	.84	83.0	83.9	„	0.2		+ + +	2		Above 10m.
3 „	.716	.833	81.9	77.7	4.2	76.0	.83	82.8	83.8	WSW	0.2		+	1		Above 10m.
4 „	.716	.839	81.8	77.5	4.3	75.8	.83	82.7	83.7	W b S	0.2					
5 „	.720	.859	81.8	77.1	4.7	75.2	.81	82.4	83.5	WSW	0.2					
6 „	.740	.846	82.1	78.0	4.1	76.4	.84	82.8	83.6	SW b W	0.1					
7 „	.766	.890	84.1	78.1	6.0	75.8	.77	84.8	84.0	W	0.1					
8 „	.781	.888	86.7	79.2	7.5	76.4	.72	86.9	84.4	W b S	0.1					
9 „	.792	.914	88.1	79.2	8.9	75.9	.68	88.0	84.6	„	0.1		+	1		Above 10m.
10 „	.788	.873	89.8	80.5	9.3	77.2	.67	89.7	85.0	WSW	0.1		+ +	2		Above 10m.
11 „	.785	.867	90.7	80.8	9.9	77.3	.66	90.2	85.4	„	0.3		+	2	None.	Above 10m.
Noon.	.770	.849	91.3	81.0	10.3	77.4	.65	90.6	85.7	„	0.2					
1 p. m.	.756	.876	91.5	80.1	11.4	76.3	.64	90.4	85.7	W	0.2		+ +	2		Above 10m.
2 „	.736	.849	92.0	80.4	11.6	76.2	.61	91.4	86.0	W b S	0.2	Immeasurable.	+ +	1		Above 10m.
3 „	.723	.803	92.2	81.2	11.0	77.3	.63	91.8	86.3	WSW	0.2					
4 „	.713	.817	91.2	80.4	10.8	76.5	.63	90.8	86.3	W b S	0.2					
5 „	.707	.833	89.2	79.4	9.8	75.7	.66	88.9	86.2	W	0.2					
6 „	.714	.833	86.7	78.9	7.8	76.0	.71	87.1	85.9	„	0.2					
7 „	.736	.839	84.9	78.8	6.1	76.5	.77	86.4	85.5	W b S	0.2					
8 „	.745	.863	84.3	78.3	6.0	76.0	.77	84.8	85.3	W	0.2					
9 „	.755	.899	83.7	77.5	6.2	75.1	.76	84.4	85.1	„	0.1					
10 „	.764	.902	83.2	77.5	5.7	75.3	.78	84.4	84.9	WSW	0.2					
11 „	.755	.877	82.8	77.8	5.0	75.9	.80	83.8	84.7	SW b W	0.1					
June 7th-Midnight	.706	.874	77.0	75.0	2.0	74.2	.91	78.5	83.0	W b S	0.0					
1 a. m.	.698	.855	78.1	75.6	2.5	74.6	.89	79.4	83.0	S b W	0.1					
2 „	.682	.796	79.2	77.0	2.2	76.1	.91	80.4	83.0	SSW	0.1					
3 „	.677	.772	78.2	76.5	1.7	76.8	.93	79.4	82.7	S b E	0.2					
4 „	.687	.854	77.1	75.0	2.1	74.1	.91	79.2	82.6	W b S	0.0	0.02				
5 „	.684	.827	76.5	75.5	1.0	75.1	.96	77.0	82.4	ENE	0.2	0.27				
6 „	.726	.953	75.2	72.9	2.3	71.9	.90	75.7	82.0	SW	0.1	0.22				
7 „	.753	.984	73.6	72.3	1.3	71.7	.94	75.3	81.4	WSW	0.1	0.37				
8 „	.762	.973	76.4	73.7	2.7	72.6	.88	77.7	81.5	SSW	0.1					
9 „	.779	.963	79.2	75.2	4.0	73.6	.84	80.2	82.0	WSW	0.2					
10 „	.773	.958	79.9	75.4	4.5	73.5	.82	81.4	82.1	NE b E	0.1					
11 „	.757	.944	82.3	76.0	6.3	73.5	.75	83.2	82.5	E b N	0.1					
Noon.	.740	.902	83.5	77.0	6.5	74.4	.75	84.2	82.8	E	0.1					
1 p. m.	.720	.896	84.1	76.8	7.3	73.9	.69	85.0	83.2	SE b E	0.1		None.	None.	None.	None.
2 „	.701	.826	85.8	78.5	7.3	75.8	.73	86.2	83.4	SSW	0.1					
3 „	.676	.781	87.8	79.5	8.3	76.5	.70	87.2	83.8	SW	0.1					
4 „	.672	.767	86.9	79.5	7.4	76.8	.73	86.7	83.9	„	0.2					
5 „	.671	.758	85.3	79.3	6.0	77.1	.77	85.4	83.8	WSW	0.2					
6 „	.686	.782	82.3	78.3	4.0	76.8	.84	82.9	83.5	W b S	0.1					
7 „	.702	.838	81.2	77.0	4.2	75.4	.83	82.2	83.2	W b N	0.1					
8 „	.716	.900	81.0	75.7	5.3	73.8	.79	82.1	83.0	WNW	0.2					
9 „	.726	.864	80.6	76.8	3.8	75.3	.85	81.9	83.0	W	0.1					
10 „	.731	.835	81.2	77.8	3.4	76.5	.86	82.2	83.0	W b S	0.1					
11 „	.721	.839	81.0	77.4	3.6	76.0	.85	82.1	83.0	„	0.1					
June 8th-Midnight	.702	.805	80.9	77.6	3.3	76.5	.87	82.1	82.9	W b N	0.0					
1 a. m.	.694	.817	81.2	77.3	3.9	75.8	.84	82.2	82.9	WNW	0.1					
2 „	.680	.802	81.4	77.4	4.0	75.9	.84	82.4	82.9	„	0.1					
3 „	.678	.807	81.3	76.5	4.8	75.6	.81	82.2	82.8	NW b W	0.2					
4 „	.686	.822	81.2	77.0	4.2	75.4	.83	82.0	82.8	„	0.1					
5 „	.702	.845	80.8	76.7	4.1	75.1	.84	82.1	82.6	„	0.0					
6 „	.729	.827	81.1	77.9	3.2	76.7	.87	82.2	82.7	WNW	0.0					
7 „	.750	.855	82.0	78.0	4.0	76.5	.84	83.1	82.9	E	0.1					
8 „	.768	.846	83.4	79.0	4.4	77.4	.83	84.4	83.1	„	0.3					
9 „	.782	.804	86.0	81.0	5.0	79.3	.81	86.8	83.6	SE	0.3	Immeasurable.	None.	None.	None.	None.
10 „	.779	.813	87.1	81.0	6.1	78.9	.77	87.4	84.1	„	0.2					
11 „	.771	.860	88.1	80.0	8.1	77.0	.71	87.6	84.3	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirrl; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
3	H	∿ scattered about hor., moving NE; a few drops of rain at 0h. 38m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°1 and 84°9.
3	L	∿ scattered about hor.; a few patches in zth.; a passing shower of rain at 1h. 54m.	
3	L	∿ scattered about, moving E.	
3	L	∿ scattered about, moving ENE.	
2	L	∿ scattered around hor., moving NE.	
2	C	" "	
3	C	∿ scattered in hor., NE and E of zth., moving ENE.	
5	C	∿ scattered about, moving E.	
4	C	" "	
5	H	∿ scattered about, moving NE.	
4	H	" "	
5	H	" "	
2	H	∿ scattered around hor., moving NE.	
2	L	∿ scattered around hor., moving ENE.	
3	L	" "	
3	L	∿ scattered here and there, moving E.	
2	L	" "	
3	L	" "	
3	L	" "	
3	L	" "	
2	L	∿ scattered around hor., moving E.	
2	L	∿ around hor.; a few masses scattered about zth., moving E.	
1	L	∿ scattered around hor., moving E.	
2	L	∿ scattered about hor., moving NE.	
8	H	Overcast with ∿ whose motion was not apparent.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°2 and 84°9. Daily fall of rain by Osler's Gauge 0·89.
8	L	Overcast with ∿, moving E; a few stars dimly visible.	
6	L	∿ scattered throughout, moving SE.	
4	L	∿ scattered about, moving SE; rain commenced at 3h. 54m.	
8	L	Overcast with ∿; rain ceased at 4h. 6m. and re-commenced at 4h. 11m.	
8	C	Overcast with ∿, moving ESE; rain ceased at 5h. 7m. & commenced at 5h. 41m.	
8	C	Overcast with ∿, moving ESE.	
8	C	Overcast with ∿, moving E; a few drops of rain at 7h. 33m.	
8	C	Overcast with ∿, moving ENE.	
8	H	Overcast; light rain at 9h. 2m. which lasted 33m.	
8	H	Overcast with ∿, moving ENE.	
8	H	" "	
7	H	∿ scattered throughout, moving NE.	
8	L	Overcast with ∿, moving NNE.	
8	L	Overcast with ∿, moving N.	
4	L	⌒ in N & ESE hor.; ∿ around hor.; ∿ & ∿ scattered about, former moving NE.	
4	L	⌒ along E hor.; ∿ scattered about, moving NE.	
3	C	⌒ in ESE hor.; ∿ around hor.; ∿ and ∿ scattered about hor.	
4	C	⌒ in NE and E hor.; ∿ around hor.; ∿ in E above hor.; ∿ in E hem.	
3	C	⌒ in N hor.; ∿ around hor., moving N; ∿ and ∿ scattered about hor.	
3	C	∿ and ∿ scattered about hor., moving NE.	
2	H	" "	
3	H	∿ scattered about hor., moving ENE.	
4	H	∿ scattered about, moving NE.	
5	H	∿ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 84°8.
4	L	∿ scattered about hor., moving NE.	
7	L	∿ scattered throughout, moving NE.	
4	L	∿ scattered about hor., moving E; large drops of rain falling from 3h. 56m.	
5	L	∿ scattered about, moving E; rain ceased at 4h. 9m.	
7	C	∿ around hor., moving E; ∿ scattered throughout; drops of rain falling from 5h. 41m. to 5h. 51m.	
8	C	Overcast with ∿ and ∿, both moving E.	
4	C	∿ and ∿ scattered about hor., former moving E.	
3	C	" "	
4	H	∿ scattered about hor., moving E.	
6	H	∿ scattered throughout, moving E.	
3	H	∿ scattered about hor., moving E.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 8th–Noon.	29.758	28.864	89°0	79°8	9°2	76°4	0.67	88°5	84°6	NW	0.4					
1 p. m.	.743	.825	89.1	80.4	8.7	77.3	.69	89.1	84.6	NW b W	0.3					
2 „	.721	.810	88.2	80.0	8.2	77.0	.70	88.2	84.7	„	0.1					
3 „	.710	.782	88.6	80.5	8.1	77.6	.71	88.6	84.9	WNW	0.2					
4 „	.694	.826	89.5	79.3	10.2	75.5	.64	88.9	85.1	„	0.4	Immeasurable.				
5 „	.700	.828	87.9	79.0	8.9	75.6	.68	87.8	85.1	„	0.2		None.	None.	None.	None.
6 „	.712	.867	86.2	77.9	8.3	74.7	.69	86.3	84.9	„	0.1					
7 „	.732	.891	84.4	77.3	7.1	74.5	.73	85.0	84.5	„	0.1					
8 „	.747	.883	83.7	77.7	6.0	75.4	.77	84.7	84.4	„	0.2					
9 „	.765	.901	83.3	77.6	5.7	75.4	.78	84.2	84.3	„	0.1					
10 „	.759	.887	83.0	77.7	5.3	75.6	.79	84.0	84.2	W b N	0.1					
11 „	.759	.877	82.8	77.9	4.9	76.0	.81	83.7	84.0	WNW	0.1					
June 9th–Midnight	.749	.868	82.4	78.0	4.4	76.3	.83	83.2	84.0	NW b W	0.1					
1 a. m.	.737	.878	81.6	77.0	4.6	75.2	.82	82.6	83.7	WNW	0.1					
2 „	.722	.863	81.6	77.0	4.6	75.2	.82	82.6	83.6	W b N	0.2					
3 „	.719	.869	81.4	76.7	4.7	74.8	.81	82.5	83.5	WNW	0.1					
4 „	.725	.862	81.3	77.0	4.3	75.3	.83	82.2	83.4	NW b W	0.1					
5 „	.752	.870	80.8	76.6	4.2	75.0	.83	81.9	83.2	WNW	0.0					
6 „	.754	.850	81.2	78.0	3.2	76.8	.87	82.4	83.2		0.0					
7 „	.774	.908	84.2	78.0	6.2	75.6	.77	85.2	83.7	NW b W	0.0					
8 „	.783	.881	85.2	79.0	6.2	76.7	.77	86.2	84.0	„	0.0					
9 „	.798	.903	86.6	79.2	7.4	76.5	.73	87.5	84.4	„	0.1		+	1		Above 10m.
10 „	.798	.921	88.2	79.2	9.0	75.8	.68	88.9	84.7	WNW	0.2	None.			None.	
11 „	.792	.897	89.6	80.0	9.6	76.5	.67	89.8	85.0	„	0.1					
Noon.	.773	.885	90.4	80.0	10.4	76.2	.64	90.2	85.2	„	0.1					
1 p. m.	.757	.902	91.0	79.4	11.6	75.0	.61	90.3	85.5	„	0.1					
2 „	.743	.874	90.9	79.7	11.2	75.5	.62	90.2	85.6	„	0.3		+	2		Above 10m.
3 „	.726	.830	91.2	80.4	10.8	76.5	.63	90.6	85.8	„	0.3		+	2		Above 10m
4 „	.720	.855	90.5	79.5	11.0	75.4	.62	90.1	85.7	„	0.2		+	2		Above 10m.
5 „	.717	.853	88.6	79.0	9.6	75.4	.66	88.2	85.3	„	0.2		+	2		Above 10m.
6 „	.732	.879	86.2	78.1	8.1	75.0	.70	86.3	85.5	„	0.1		+	1		Above 10m.
7 „	.745	.898	84.6	77.5	7.1	74.7	.73	85.2	85.2	„	0.2		+	2		Above 10m.
8 „	.767	.926	84.0	77.2	6.8	74.5	.74	84.4	85.0	„	0.1		+	2		Above 10m.
9 „	.779	.922	83.7	77.5	6.2	75.1	.76	84.2	84.8	„	0.1		+	2		Above 10m.
10 „	.775	.919	83.5	77.5	6.0	76.2	.77	84.1	84.8	NW b W	0.3		+	2		Above 10m.
11 „	.781	.931	83.2	77.2	6.0	74.8	.77	84.0	84.6	WNW	0.1		+	2		Above 10m.
June 10th–Midnight	.768	.917	82.4	77.0	5.4	74.9	.79	83.2	84.4	WNW	0.1		+	2		Above 10m.
1 a. m.	.752	.909	82.1	76.7	5.4	74.6	.79	83.0	84.3	W	0.0		+	4		6.00
2 „	.742	.896	81.8	76.7	5.1	74.7	.80	82.8	84.1	WNW	0.0		+	4		5.00
3 „	.735	.888	81.7	76.7	5.0	74.7	.80	82.8	83.9	„	0.0		+	3		Above 10m.
4 „	.746	.901	81.1	76.5	4.6	74.7	.82	82.3	83.7	„	0.1					
5 „	.742	.898	80.5	76.3	4.2	74.6	.83	81.7	83.5	NW b W	0.1					
6 „	.764	.870	81.4	77.8	3.6	76.4	.85	82.4	83.5	„	0.0					
7 „	.773	.923	85.0	77.7	7.3	74.8	.75	85.0	84.0	„	0.1					
8 „	.787	.947	86.6	77.9	8.7	74.5	.68	86.3	84.2	WNW	0.2		+	1		Above 10m.
9 „	.796	.962	87.5	78.0	9.5	74.3	.66	87.2	84.5	NW b W	0.1		+	1		Above 10m.
11 „	.793	.939	88.4	78.7	9.7	75.0	.66	88.0	84.8	WNW	0.2		+	2		Above 10m.
10 „	.792	.926	89.2	79.2	10.0	75.4	.65	89.0	85.1	„	0.2		+	2		3.00
Noon.	.779	.895	90.0	79.8	10.2	76.1	.65	89.9	85.3	NW	0.1	None.	+	1	None.	Above 10m.
1 p. m.	.767	.901	90.8	79.6	11.2	75.4	.62	90.2	85.5	WNW	0.1		+	1		
2 „	.750	.903	91.4	79.3	12.1	74.7	.59	90.5	85.7	„	0.1					
3 „	.730	.887	91.3	79.2	12.1	74.6	.59	90.4	85.8	„	0.2					
4 „	.710	.879	90.5	78.7	11.8	74.1	.60	89.9	85.8	NW b W	0.4					
5 „	.703	.887	88.4	77.8	10.6	73.6	.63	88.0	85.7	„	0.2					
6 „	.714	.918	86.0	76.6	9.4	72.8	.66	86.2	85.5	NW	0.3					
7 „	.723	.917	84.3	76.4	7.9	73.2	.70	84.5	85.1	NW b W	0.2					
8 „	.747	.922	84.0	76.8	7.2	73.9	.73	84.4	85.0	„	0.2					
9 „	.765	.910	83.5	77.4	6.1	75.0	.77	84.2	84.8	WNW	0.2					
10 „	.779	.921	83.2	77.4	5.8	75.1	.77	84.0	84.7	„	0.1					
11 „	.783	.929	82.8	77.2	5.6	75.9	.78	83.9	84.5	W b N	0.1					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ∽ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
6	H	∿ scattered throughout, moving N.	
5	L	⌒ from NE to S hor.; ∿ scattered about, moving SE.	
5	L	⌒ along E hor.; ∿ scattered about, moving N.	
3	L	⌒ around hor., except in NW; ∿ scattered about hor. from E to NW.	
2	L	⌒ along E hor.; ∿ around hor., moving E.	
2	C	∿ around hor.; ∿ from NE to SE hor.	
7	C	∿ scattered about hor., moving E; ∿ spread throughout.	
4	C	" " "	
2	C	∿ scattered about hor., moving E.	
2	H	" "	
2	H	∿ scattered about hor., moving ENE.	
2	H	" "	
3	H	∿ scattered about chiefly around hor., moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 85°0.
2	L	∿ scattered around hor., moving E.	
3	L	Masses of ∿ scattered about, moving E.	
2	L	∿ scattered about hor., moving NE.	
1	L	∿ scattered here and there, moving NE.	
2	C	∿ and ∿ scattered about hor., moving ENE.	
5	C	∿ and ∿ scattered about, moving E.	
5	C	∿ scattered about, moving WNW.	
7	C	Densely clouded with ∿; a few drops of rain at 8h. 21m.	
7	H	Densely clouded with ∿, moving N.	
3	H	∿ scattered about hor., moving NE.	
4	H	∿ scattered about, moving NE.	
4	H	∿ scattered about, moving E.	
2	L	∿ around hor., moving E; ∿ above N hor.; ∿ along W hor.	
2	L	∿ around hor., moving ENE; ∿ and ∿ about N hor.	
2	L	∿ scattered about, moving E; a few patches of ∿ in N of zth.	
1	L	∿ around hor., moving E; a few ∿ above NW hor.	
2	C	∿ around hor., a few ∿ above NE and NW hor.	
4	C	⌒ in hor.; ∿ scattered about.	
2	N	⌒ in hor.; a few patches of ∿ in N & NW; ∽ in NE & E; ∿ moving W.	
2	N	⌒ in NE and E; ∿ scattered about hor.; faint lightning in E and NE.	
2	H	Masses of ∿ scattered about, moving N; lightning in NE and E every 10s.	
2	H	Masses of ∿, moving E; continuous lightning in NE and E hor.	
3	H	∿ scattered about, moving E; lightning in ENE every 5m.	
3	H	∿ scattered about, moving E; lightning in ENE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 85°0.
5	L	∿ scattered about, moving E.	
7	L	" "	
3	L	∿ scattered about hor.	
2	L	∿ scattered about rather densely around hor., moving ENE.	
6	N	∿ and ∿ scattered about, moving NNE.	
4	N	∿ in N hem; ∿ scattered about, moving E; mist in NE, E, and NE hor.	
3	N	∿ around hor., moving E; a few patches of ∿ in NW and N.	
2	N	∿ around hor.; ∿ in NE and E.	
4	H	∿ along E hor.; ∿ scattered about, moving NE.	
6	H	∿ and ∿ scattered throughout, former moving W latter E.	
7	H	" "	
6	H	∿ around hor.; ∿ scattered throughout, moving W.	
2	L	∿ around hor.; ∿ in NW, N, and NE above hor.; ∿ scattered about hor. from N to W.	
1	L	⌒ along E hor.; ∿ scattered from N to E hor.	
1	L	⌒ along E hor.; ∿ above E hor.; ∿ scattered in NW, N, and NE of zth.	
1	L	⌒ along E hor.; ∿ from NW to NE above hor.	
1	N	⌒ along E hor., ∿ in NE, E, and NW hor.	
2	N	⌒ along E hor.; ∿ scattered about.	
2	N	A few ⌒ and ∿ around hor.; continuous lightning in E.	
1	N	Patches of clouds around hor.; lightning in E every 3m.	
2	H	" "	
3	H	" "	
3	H	Patches of clouds around hor.; no lightning visible.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 11th-Midnight	29.769	28.900	82·6	77·5	5·1	75·5	0.80	83·6	84·4	W	0.1					
1 a. m.	.765	.913	82·3	77.0	5.3	74.9	.79	83.1	84.3	W b S	0.0					
2 „	.746	.880	82·1	77.3	4.8	75.4	.81	82.9	84.2	„	0.2					
3 „	.727	.850	81.8	77.5	4.4	75.8	.83	82.8	84.2	„	0.1					
4 „	.729	.860	81.5	76.7	4.8	74.8	.81	82.6	83.9	W	0.1					
5 „	.732	.884	81.2	76.6	4.6	74.8	.82	82.2	83.7	„	0.0					
6 „	.753	.876	81.5	77.4	4.1	75.8	.84	82.4	83.7	„	0.1					
7 „	.768	.872	84.2	78.6	5.6	76.5	.78	84.8	84.0	W b S	0.1					
8 „	.773	.910	86.9	78.5	8.4	75.3	.69	86.8	84.5	„	0.1					
9 „	.784	.879	88.0	79.8	8.2	76.8	.70	87.7	84.7	„	0.1					
10 „	.784	.896	88.4	79.5	8.9	76.2	.68	87.9	84.9	„	0.1					
11 „	.775	.886	89.9	79.9	10.0	76.3	.65	89.2	85.2	„	0.1	None.	+	1	None.	Above 10 m.
Noon.	.764	.834	90.4	81.0	9.4	77.7	.67	89.7	85.5	„	0.2		+	1		Above 10m.
1 p. m.	.752	.897	91.4	79.5	11.9	75.0	.60	90.8	85.7	W	0.1		+	1		Above 10m.
2 „	.744	.860	91.9	80.3	11.6	76.1	.61	90.9	86.0	„	0.1		+	3		2.00
3 „	.724	.830	91.6	80.8	10.8	76.4	.62	90.9	86.2	W b S	0.1					
4 „	.710	.799	91.4	80.8	10.6	77.0	.64	90.7	86.3	„	0.1					
5 „	.707	.782	89.6	80.7	8.9	77.5	.69	89.6	86.3	W	0.2		+	2		0.11
6 „	.716	.808	87.2	79.2	8.0	76.2	.71	87.6	86.0	W b S	0.2		+	2		0.40
7 „	.723	.815	85.4	79.2	6.2	76.9	.76	86.0	85.6	WNW	0.2		+	2		0.38
8 „	.735	.845	84.8	78.6	6.2	76.3	.76	85.4	85.5	W b N	0.3		+	2		1.06
9 „	.752	.843	84.5	79.0	5.5	76.9	.79	85.2	85.4	WNW	0.2		+	1		Above 10m.
10 „	.757	.904	84.0	77.5	6.5	75.0	.75	84.7	85.2	W	0.2		+	2		3.20
11 „	.755	.878	83.6	78.0	5.6	75.8	.78	84.2	85.0	„	0.2		+	12		1.00
June 12th-Midnight	.745	.838	83·2	78.6	4.6	76.9	.82	84.2	85.0	W b N	0.2		+	2		2.50
1 a. m.	.730	.870	82.7	77.3	5.4	75.2	.79	83.4	84.6	W	0.1		+	1		Above 10m.
2 „	.723	.843	82.6	77.8	4.8	75.9	.81	83.4	84.6	W b S	0.0		+	2		7.20
3 „	.717	.831	82.1	77.8	4.3	76.1	.82	83.0	84.4	W	0.0		+	2		6.54
4 „	.714	.805	82.2	78.4	3.8	76.9	.85	83.0	84.3	W b S	0.0		+	1		Above 10m.
5 „	.719	.798	81.1	78.4	2.7	77.4	.89	82.2	84.1	SW b W	0.0		+			
6 „	.736	.855	81.1	77.4	3.7	76.0	.85	82.2	84.0	W b N	0.0		+	2		Above 10m.
7 „	.755	.811	85.2	80.0	5.2	78.1	.80	85.6	84.4	W b S	0.1		+	2		Above 10m.
8 „	.765	.829	87.1	80.3	6.8	77.9	.75	86.8	84.7	WSW	0.1		+	2		1.45
9 „	.774	.859	87.8	80.0	7.8	77.3	.72	87.2	85.0	„	0.1		+	1		Above 10m.
10 „	.771	.867	88.8	80.0	8.8	76.8	.69	88.2	85.3	„	0.1		+	1		Above 10m.
11 „	.762	.888	89.7	79.5	10.2	75.9	.65	88.6	85.5	W b S	0.2		+	2		Above 10m.
Noon.	.751	.843	90.5	80.5	10.0	76.9	.66	89.5	85.7	„	0.2		+	6		Above 10m.
1 p. m.	.740	.813	91.9	81.3	10.6	77.6	.64	90.9	86.0	„	0.1		+	2		Above 10m.
2 „	.724	.800	92.2	81.2	10.9	77.5	.63	91.7	86.3	WSW	0.1		+	1		Above 10m.
3 „	.707	.780	92.3	81.4	10.9	77.6	.63	91.7	86.5	W b S	0.2		+	1		Above 10m.
4 „	.702	.751	91.6	81.8	9.8	78.4	.66	91.0	86.5	WSW	0.2		+			
5 „	.702	.768	90.0	81.0	9.0	77.8	.68	90.4	86.5	W b S	0.2		+			
6 „	.701	.740	86.7	80.8	5.9	78.7	.78	87.0	86.3	WSW	0.1		+			
7 „	.709	.763	85.0	80.0	5.0	78.2	.81	86.1	86.0	W b S	0.2		+			
8 „	.720	.809	84.4	79.0	5.4	77.6	.79	85.3	85.6	„	0.2		+	1		Above 10m.
9 „	.734	.805	84.2	79.4	4.8	77.6	.81	85.2	85.5	W	0.2		+			
10 „	.738	.817	84.2	79.2	5.0	77.4	.81	85.2	85.5	„	0.2		+			
11 „	.732	.815	83.8	79.0	4.8	77.2	.81	84.6	85.3	WSW	0.2		+			
June 14th-Midnight	.686	.741	83.6	79.6	4.0	78.2	.84	84.7	85.1	WSW	0.2					
1 a. m.	.669	.738	83.3	79.2	4.1	77.7	.83	84.4	84.9	W b S	0.1					
2 „	.657	.744	83.0	78.8	4.2	77.1	.80	84.0	84.8	WSW	0.2					
3 „	.655	.696	82.0	79.5	2.5	78.6	.90	83.4	84.6	W b S	0.1	0·01				
4 „	.659	.725	82.3	79.0	3.3	77.8	.87	83.5	84.5	WSW	0.2					
5 „	.659	.729	82.3	78.9	3.4	77.7	.86	83.2	84.5	„	0.2					
6 „	.675	.745	82.6	79.0	3.6	77.7	.86	83.6	84.5	„	0.2					
7 „	.686	.722	84.6	80.3	4.3	78.8	.83	85.4	84.5	„	0.1				None.	
8 „	.704	.738	87.1	81.0	6.1	78.9	.77	87.3	85.0	W b S	0.1		+	3		1.01
9 „	.713	.741	88.1	81.4	6.7	79.1	.75	88.4	85.3	„	0.1		+	1		Above 10m.
10 „	.710	.772	89.6	81.0	8.6	77.9	.70	89.4	85.7	„	0.2		+	2		Above 10m.
11 „	.707	.740	91.0	82.0	9.0	78.9	.69	90.9	86.0	„	0.1		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ∿ nimbi.	
4	H	∿ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 85°0.
3	L	∿ scattered about hor., moving E.	
2	L	"	
1	L	∿ scattered about rather densely around hor., moving NNE.	
1	L	∿ scattered around hor.; a few light masses moving NE.	
4	N	∿ scattered about, moving E.	
4	N	∿ and ∿ scattered about, former moving NNE.	
3	N	"	
2	N	∿ around hor.; ∿ scattered about zth.	
4	H	∿ scattered about, moving E.	
2	H	∿ scattered around hor.; ∿ above NW hor.	
3	H	∿ scattered about hor., moving E.	
4	H	∿ scattered about, moving NE.	
2	L	∿ around hor., moving E; ∿ in SE above hor.	
2	L	∿ around hor.; ∿ in SE, E, and SW above hor.	
2	L	∿ around hor.; ∿ from E to W above hor.	
2	L	∿ around hor.; ∿ scattered in S hem.	
3	N	∩ in E hor.; ∿ in S, SW, and W above hor.; a few masses of ∿, moving SE.	
1	N	∩ in E hor.; ∿ around hor.; ∿ in S and SW above hor.	
2	N	⌣ in W and NW above hor.; ∿ around hor.; ∿ scattered about.	
1	N	∿ around hor.; otherwise clear.	
4	H	∿ scattered about, moving E.	
1	H	∿ scattered around hor.	
1	H	"	
3	H	∿ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 85°0.
1	L	Pieces of ∿ scattered about, moving E.	
1	L	"	
1	L	Patches of ∿ around hor.	
2	L	Pieces of ∿ scattered about, moving E; a passing shower of rain at 4h. 30m. which lasted 2m.	
5	N	⌣ in S and NW above hor.; ∿ scattered about, moving E; mist in N, NW, and E hors.	
2	N	∿ in S and SE above hor.; ⌣ in NW hor.; ∿ scattered around hor.	
4	N	∿ in S hor.; ∿ scattered about, moving E.	
2	N	∿ in S hor.; ∿ scattered about hor.	
2	H	∿ around hor., NE, and E; ∿ in E above hor.	
2	H	∿ around hor.	
3	H	∿ scattered about hor., moving NE.	
3	H	" "	
3	L	∿ scattered about hor., moving E; ∿ in SE above hor.	
2	L	∿ scattered about hor., moving E; ∿ in NE and NW.	
2	L	∿ scattered about, moving E; ∿ scattered along hor. from NW to S.	
4	L	∿ scattered about, moving E; ∿ in E above hor.; rainbow in E observed at 4h. 40m.	
4	N	∿ scattered about, moving E; a passing shower of rain at 5h. 37m. which lasted 3m.	
4	N	∿ and ∿ scattered about, former moving E; portion of a rainbow visible in NE.	
6	N	∿ and ∿ scattered about, moving E.	
2	N	∿ scattered around hor.	
3	N	∿ scattered about, moving E.	
4	N	∿ scattered about, moving E; a faint lightning visible in SE.	
3	N	" "	
4	H	Dense ∿ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°4 and 85°1. Daily fall of rain by Osler's Gauge 0·02.
3	L	" "	
2	L	Pieces of ∿, moving E; a shower of rain at 2h. 18m. which lasted 6m.	
3	L	∿ scattered about hor., moving NE.	
3	L	∿ scattered about, moving N.	
4	N	∿ and ∿ scattered about hor., latter moving NE.	
4	N	∿ around hor., moving ENE; ∿ scattered about.	
6	N	∿ and ∿ scattered throughout, former moving NE.	
4	N	Masses of ∿ scattered about, moving NE.	
4	H	" "	
3	H	" "	
3	H	" "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 14th-Noon.	29.701	28.729	92·2	82·4	9·8	79·1	0.67	91·4	86·0	W b S	0.2		+	1		Above 10m.
1 p. m.	.686	.715	90.6	82.0	8.6	79.0	.70	89.9	86.6	WNW	0.2					
2 „	.676	.698	90.0	82.0	8.0	79.3	.72	90.2	86.5	W	0.3					
3 „	.668	.690	92.0	82.5	9.5	79.3	.67	91.8	86.7	„	0.2					
4 „	.662	.689	91.6	82.5	9.1	79.4	.69	91.6	86.9	„	0.3		+	1		Above 10m.
5 „	.658	.701	89.2	81.3	7.9	78.6	.72	90.3	86.7		0.2		+	1	None.	Above 10m.
6 „	.667	.705	87.5	81.0	6.5	78.7	.76	88.3	86.5		0.2	None.	+	1	None.	Above 10m.
7 „	.681	.729	86.0	80.4	5.6	78.4	.79	87.5	86.2	W b S	0.2					
8 „	.701	.797	85.0	79.0	6.0	76.8	.77	86.7	86.0	„	0.2					
9 „	.716	.793	84.4	79.3	5.1	77.4	.80	85.5	85.8	„	0.1					
10 „	.721	.808	84.2	79.0	5.2	77.1	.80	85.1	85.6	„	0.2					
11 „	.716	.793	84.0	79.2	4.8	77.4	.81	85.0	85.5	„	0.1					
June 15th-Midnight	.710	.787	84.0	79.2	4.8	77.4	.81	84.9	86.5	W b S	0.2					
1 a. m.	.692	.752	83.5	79.3	4.2	78.0	.84	84.7	85.3	„	0.3					
2 „	.682	.733	83.6	79.7	3.9	78.3	.85	84.6	85.2	„	0.3					
3 „	.669	.752	83.1	78.8	4.3	77.2	.83	84.2	85.0	„	0.2					
4 „	.674	.731	82.9	79.4	3.5	78.1	.86	84.1	84.9	„	0.2					
5 „	.682	.756	83.0	79.0	4.0	77.5	.84	84.3	84.8	„	0.2					
6 „	.703	.779	83.2	79.0	4.2	77.5	.83	84.5	84.7	W b N	0.1					
7 „	.718	.754	85.3	80.5	4.8	78.8	.81	85.7	84.9	W b S	0.3					
8 „	.730	.768	87.5	81.0	6.5	78.7	.76	88.6	85.4	W b N	0.3					
9 „	.737	.755	88.8	81.8	7.0	79.3	.75	89.7	85.2		0.2					
10 „	.737	.749	91.1	82.5	8.6	79.6	.70	91.0	86.2		0.2	Immeasurable.				
11 „	.731	.753	92.0	82.5	9.5	79.3	.67	91.5	86.5	„	0.3					
Noon.	.722	.728	92.6	83.0	9.6	79.8	.67	92.4	86.7	„	0.3		None.	None.	None.	None.
1 p. m.	.708	.742	92.9	82.4	10.5	78.9	.65	92.4	87.0	W	0.2					
2 „	.684	.760	93.0	81.5	11.5	77.5	.62	92.5	87.3	W b S	0.3					
3 „	.672	.715	93.2	82.3	10.9	78.6	.64	92.7	87.4	„	0.3					
4 „	.661	.709	92.1	81.9	10.2	78.4	.65	91.7	87.4	WSW	0.1					
5 „	.648	.707	90.2	81.2	9.0	78.0	.68	90.2	87.3	„	0.1					
6 „	.660	.723	87.8	80.5	7.3	77.9	.73	88.3	86.7	„	0.1					
7 „	.679	.754	86.2	79.8	6.4	77.5	.76	87.1	86.5	„	0.1					
8 „	.696	.755	85.5	80.0	5.5	78.0	.79	86.4	86.3	„	0.1					
9 „	.708	.762	85.0	80.0	5.0	78.2	.81	86.0	86.0	WNW	0.2					
10 „	.714	.807	84.7	79.0	5.7	76.9	.78	85.7	86.0	W	0.3					
11 „	.708	.795	84.2	79.0	5.2	77.1	.80	85.2	85.9	W b N	0.2					
June 16th-Midnight	.695	.780	84.0	79.0	5.0	77.2	.81	85.0	85.8	W	0.2					
1 a. m.	.684	.779	83.8	78.7	5.1	76.8	.80	84.7	85.5	W b N	0.2					
2 „	.672	.771	83.4	78.5	4.9	76.7	.81	84.5	85.4	„	0.3					
3 „	.664	.760	83.1	78.5	4.6	76.8	.82	84.2	85.3	W b S	0.1					
4 „	.661	.740	83.1	78.9	4.2	77.4	.83	84.2	85.2	W b N	0.2					
5 „	.667	.781	82.8	78.0	4.8	76.1	.81	83.8	85.1	„	0.1					
6 „	.683	.799	83.0	78.0	5.0	76.1	.80	84.2	85.0	„	0.1					
7 „	.695	.786	85.3	79.2	6.1	76.9	.77	86.1	85.2	„	0.0					
8 „	.722	.806	87.6	80.0	7.6	77.2	.72	87.4	85.5	W b S	0.1					
9 „	.729	.825	88.8	80.0	8.8	76.8	.69	88.2	85.9	„	0.1					
10 „	.738	.809	89.7	80.8	8.9	77.6	.69	89.3	86.1	„	0.1					
11 „	.735	.818	90.9	80.8	10.1	77.2	.65	90.2	86.4	„	0.1					
Noon.	.721	.806	91.8	81.0	10.8	77.2	.64	90.9	86.6	„	0.1					
1 p. m.	.714	.768	92.2	81.8	10.4	78.2	.65	91.6	86.8	„	0.2	None.	None.	None.	None.	None.
2 „	.699	.746	93.2	82.2	11.0	78.4	.63	92.5	87.3	WSW	0.2					
3 „	.677	.736	93.1	81.9	11.2	78.0	.63	92.4	87.4	W b S	0.2					
4 „	.674	.747	92.8	81.5	11.3	77.6	.62	92.0	87.4	W	0.2					
5 „	.665	.735	90.4	81.0	9.4	77.7	.67	90.2	87.3	W b N	0.2					
6 „	.673	.720	88.3	81.0	7.3	78.4	.73	88.5	87.0	W	0.2					
7 „	.690	.759	86.4	80.0	6.4	77.7	.76	87.2	86.6	W b S	0.2					
8 „	.708	.799	85.7	79.3	6.4	76.9	.76	86.4	86.5	W b N	0.2					
9 „	.721	.817	85.0	79.0	6.0	76.8	.77	86.0	86.3	W	0.1					
10 „	.724	.817	84.7	79.0	5.7	76.9	.78	85.7	86.1	W b S	0.2					
11 „	.722	.817	84.2	78.8	5.4	76.8	.79	85.2	86.0	W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ≀≀ cumuli; ≀ cirro-strati; ≀≀ cumulo-strati; and ≀≀ nimbi.	
3	H	Masses of ≀≀ scattered about, moving NE; a few light ≀ above NE hor.	
6	L	≀≀ scattered throughout, moving E; drops of rain at 1h. 1m. and 1h. 15m.	
5	L	≀≀ scattered about, moving E; a few ≀ above NW & S hor.; a few patches of ≀≀ above N hor.	
3	L	≀≀ scattered about hor.; ≀ in NE, N, and NW above hor.	
4	L	≀≀ scattered about hor.; ≀ along W hor.	
4	G	≀≀ scattered about, moving E; a few ≀ in W above hor.	
4	G	≀≀ scattered about, moving E; lunar ≀ in SW, W, and NW a little above hor.	
5	G	Masses of ≀≀ passing ENE; ≀ scattered from NE to SE and a few in W.	
1	G	≀≀ scattered around hor.; otherwise clear.	
2	H	≀≀ scattered about hor., moving NE.	
3	H	" "	
4	H	Masses of ≀≀ scattered about, moving NE, light drizzling rain from 11h. to 11h. 14m.	
6	H	≀≀ scattered throughout, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°6 and 85°1. The Temperature of Evaporation at Noon was highest in the month, and about 2°4 higher than the Normal Mean.
2	L	≀≀ scattered about hor.; a few drops of rain at 1h. 18m.	
2	L	Masses of ≀≀ passing NE.	
2	L	"	
1	L	Masses of ≀≀ around hor.; otherwise clear.	
3	G	≀≀ scattered about, rather densely around hor., moving ENE; a few ≀ in W.	
6	G	≀≀ passing NE; ≀ scattered throughout; light drops of rain between 6h. 15m. and 6h. 25m.	
4	G	≀≀ scattered about hor. and in SW; ≀ visible here and there.	
4	G	≀≀ scattered about, moving NE; ≀ discernable in SW, W, and NW.	
5	H	≀≀ scattered about, moving NE.	
5	H	" "	
3	H	≀≀ passing NE; a few ≀ above E hor.	
4	H	≀≀ passing NE; ≀ scattered in E hem.	
3	L	≀≀ lying around hor.; ≀ scattered in E hem.	
3	L	≀≀ scattered around hor., moving E; ≀ in S hem., moving W.	
3	L	≀≀ around hor., moving NE; ≀ scattered in S hem., moving W.	
4	L	≀≀ scattered about hor., moving E; ≀ in S hem., moving W.	
2	N	Masses of ≀≀ scattered around hor., moving E.	
2	G	Masses of ≀≀ scattered here and there, moving ENE; haze around hor.	
2	G	Patches of ≀≀ passing ENE.	
2	G	≀≀ scattered about hor. & in N hem., moving ENE; light drops of rain between 8h. 45m. & 8h. 55m.	
5	H	≀≀ scattered about, moving NE; drops of rain from 9h. 5m. to 9h. 22m.	
2	H	≀≀ scattered about hor., moving NE.	
2	H	" "	
3	H	≀≀ scattered about hor., moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°7 and 85°1. The Temperature of Air at 2 P. M. was greatest during the month, and about 5°3 higher than the Normal Mean.
2	L	Pieces of ≀≀ passing E.	
1	L	Patches of ≀≀ passing ENE.	
1	L	"	
2	L	≀≀ scattered around hor., S, and SW.	
2	N	≀ in N; patches of ≀≀ scattered about hor., moving ENE.	
2	N	≀≀ scattered about hor., moving ENE.	
2	N	" "	
3	N	" "	
4	H	Masses of ≀≀ scattered about, moving E.	
4	H	" "	
4	H	Masses of ≀≀ passing E; a few ≀ above SW hor.	
3	H	≀≀ scattered about hor., moving E.	
4	L	Masses of ≀≀, moving E.	
3	L	≀≀ scattered about hor., moving ENE.	
3	L	≀≀ scattered about hor., moving E.	
2	L	Masses of ≀≀, moving ENE.	
2	N	≀≀ in E hor.; ≀≀ scattered about hor., moving E.	
3	N	≀≀ in NE and E hor.; masses of ≀≀ scattered about, moving E.	
5	N	Dense masses of ≀≀ passing E.	
2	N	Patches of ≀≀ scattered about, moving E.	
3	H	" "	
3	H	" "	
2	H	Masses of ≀≀ scattered about hor., moving E.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strows of Volts 1.	Readings of Strows of Volts 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 17th-Midnight	29.712	28.818	84·0	78·5	5·5	76·4	0.79	85·0	85·8	W b N	0·1					
1 a. m.	.698	.814	83.7	78.2	5.5	76.2	.79	84.6	85.6	„	0·2					
2 „	.688	.788	83.5	78.5	5.0	76.6	.80	84.4	85.5	W	0.1					
3 „	.674	.733	83.4	78.7	4.7	78.0	.83	84.2	85.2	WNW	0.1					
4 „	.673	.769	83.1	78.5	4.6	76.8	.82	84.0	85·2	„	0.0					
5 „	.673	.783	83.2	78.2	5.0	76.3	.80	84.2	85.1	NW b W	0.1					
6 „	.696	.805	83.5	78.3	5.2	76.3	.80	84.3	86.1	„	0.1					
7 „	.703	.787	85.4	79.4	6.0	77.2	.77	86.0	85.4	NW b N	0.0					
8 „	.709	.749	87.6	81.0	6.6	78.7	.76	88.0	85.6	„	0·0					
9 „	.724	.811	88.0	80.0	8.0	77.1	.71	88.2	85.8	NW	0·2					
10 „	.716	.781	89.9	81.0	8.9	77.8	.69	90.1	86.2	„	0.2	None.			None.	
11 „	.715	.790	90.8	81.0	9.8	77.5	.66	90.5	86.5	WNW	0·2					
Noon.	.709	.7[illegible]	91.5	81.2	10.3	77.6	.65	91.0	86.7	„	0·2					
1 p. m.	.690	.794	92·3	80.7	11.6	76.5	.61	91.5	86.8	„	0.3		+	5		0.27
2 „	.674	.718	92.9	82.2	10.7	78.5	.64	92.3	87.2	„	0·4		+	1		Above 10m.
3 „	.653	.740	92.8	81.2	11.6	77.1	.61	92.2	87.3	„	0.4					
4 „	.641	.721	92.2	81.2	11.0	77.3	.63	91.7	87.4	„	0·6					
5 „	.635	.725	89.5	80.3	9.2	77.0	.68	90.1	87.3	„	0·3					
6 „	.647	.745	87.5	79.6	7.9	76.7	.71	87.8	87.0	„	0·2					
7 „	.664	.750	86.0	79.5	6.5	77.1	.76	86.7	86.5	„	0.1					
8 „	.680	.797	85.4	78.6	6.8	76.0	.74	86.2	86.5	W b N	0.2					
9 „	.684	.780	85.0	79.0	6.0	76.8	.77	85.9	86.3	„	0.1					
10 „	.698	.773	84.6	79.4	5.2	77.5	.80	85.4	86.0	„	0.1					
11 „	.706	.795	84.4	79.0	5.4	77.0	.79	85.4	86.0	W	0.1					
June 18th-Midnight	.700	.785	84.0	79.0	5.0	77.2	.81	85.2	85.8	W	0.1					
1 a. m.	.679	.782	83.8	78.5	5.3	76.5	.80	85.0	85.6	WNW	0.1					
2 „	.670	.771	83.6	78.5	5.1	76.6	.80	84.8	85.5	NW b W	0.2					
3 „	.664	.733	82.5	79.0	3.5	77.7	.86	83.7	85.2	W b N	0.2					
4 „	.669	.758	83.2	78.7	4.5	77.0	.84	84.4	85.2	WNW	0.2					
5 „	.673	.750	83.3	79.0	4.3	77.4	.83	84.2	85.0	NW b W	0.0					
6 „	.683	.714	83.3	80.1	3.2	79.0	.87	84.1	85.1	NNW	0.1					
7 „	.710	.765	86.2	81.2	5.0	79.5	.81	87.1	85.5	ENE	0.1					
8 „	.719	.735	88.2	81.7	6.5	79.4	.76	88.6	86.0	E b N	0.2					
9 „	.718	.743	88.7	81.6	7.1	79.2	.74	89.2	86.3	E	0.1					
10 „	.717	.755	89.5	81.5	8.0	78.7	.72	89.2	86.7	E b S	0.1					
11 „	.711	.760	90.5	81.5	9.0	78.4	.69	90.0	86.8	W	0.2	Immeasurable.	+	1	None.	3.00
Noon.	.691	.758	91.8	81.4	10.4	77.6	.65	90.9	86.9	NW b W	0.2		+	2		2.20
1 p. m.	.670	.744	92.4	81.4	11.0	77.5	.63	91.2	87.2	NNW	0.4		+	2		2.32
2 „	.653	.709	93.2	82.0	11.2	78.1	.63	92.6	87.4	NW b W	0.3		+	2		0·33
3 „	.631	.696	93.2	81.8	11.4	77.7	.62	92.6	87.6	WNW	0.4		+	1		Above 10m.
4 „	.615	.663	92.5	82.0	10.5	78.4	.65	91.7	87.7	„	0.5					
5 „	.616	.683	90.1	81.0	9.1	77.8	.68	90.1	87.7	„	0.2					
6 „	.625	.705	88.1	80.2	7.9	77.3	.71	88.1	87.5	„	0.2					
7 „	.660	.734	86.8	80.0	6.8	77.5	.75	87.2	87.2	„	0.2					
8 „	.672	.741	86.4	80.0	6.4	77.7	.76	86.9	87.0	„	0.2					
9 „	.676	.769	85.8	79.3	6.5	76.9	.76	86.2	87.0	NW b W	0.2					
10 „	.688	.749	85.6	80.0	5.6	78.0	.79	86.1	86.8	W b N	0.2					
11 „	.686	.760	83.0	79.0	4.0	77.5	.84	84.0	86.5	NNW	0.5					
June 19th-Midnight	.676	.723	84.4	80.0	4.4	78.4	.83	85.2	86.5	WNW	0.2					
1 a. m.	.666	.739	84.4	79.4	5.0	77.7	.81	85.2	86.2	NW b W	0.3					
2 „	.643	.710	84.3	79.5	4.8	77.8	.81	84.9	86.0	„	0.4					
3 „	.641	.706	84.1	79.5	4.6	77.8	.82	84.9	86.0	„	0.8					
4 „	.639	.704	84.1	79.5	4.6	77.8	.82	84.9	86.0	NW	0.6					
5 „	.651	.715	84.0	79.5	4.5	77.8	.82	84.7	85.9	NNW	0.4					
6 „	.671	.757	82.2	78.5	3.7	77.1	.86	82.9	85.7	NNE	0.1		+	Out of Sc.	31	0.53
7 „	.678	.776	81.4	78.0	3.4	76.7	.86	82.2	85.5	W	0.0	0.12	+	2		Above 10m.
8 „	.688	.732	82.2	79.5	2.7	78.5	.89	82.9	85.3	ESE	0.1	0.02	+	1		Above 10m.
9 „	.690	.725	85.2	80.5	4.7	78.8	.82	85.6	85.5	„	0.1	0·01	+	3		Above 10m.
10 „	.682	.715	85.4	80.6	4.8	78.9	.81	86.2	85.7	„	0.1		+	1		Above 10m.
11 „	.673	.671	87.8	82.0	5.8	80.0	.79	88.0	86.0	W b N	0.1		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
3	H	Masses of scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°9 and 85°1.
2	L	Masses of lying around hor., moving E.	
2	L	" " "	
1	G	Masses of scattered about, moving E.	
2	G	Masses of around hor. and in SW, moving E.	
3	C	Masses of scattered about hor., moving E.	
2	C	Pieces of light , moving E.	
4	C	Masses of scattered about, moving E.	
6	C	scattered throughout, moving E; a few drops of rain between 8h. and 8h. 5m.	
3	H	Masses of passing constantly in E.	
2	H	around hor., moving E.	
3	H	Patches of scattered about, moving E.	
3	H		
1	G	" "	
1	G	around hor. and in NW; above hor. from NE to S.	
1	G	Pieces of passing from W to E; above hor. from NE to S.	
1	G	Patches of around hor., except in NW; from N to SW horn	
1	G	" " "	
1	C	A few pieces of in E hor.; scattered throughout.	
2	C	around hor., moving E; scattered throughout.	
4	C	scattered about, moving E; above SW hor.	
4	C	Masses of passing E.	
4	H	"	
4	H	"	
3	H	scattered about hor., moving E.	
2	H	Masses of scattered about hor., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 85°1.
2	B	" "	
3	B	Masses of , moving E; drops of rain fell from 2h. 19m. to 2h. 33m.	
3	B	scattered about hor., moving ENE.	
3	B	around hor. and in E hem., moving E.	
4	C	around hor., moving E; in SSE; scattered about zth.	
7	C	scattered throughout; above SW hor.	
7	C	scattered throughout, moving E.	
6	C	" "	
6	H	scattered throughout; a few above E hor.	
6	H	and scattered throughout, both moving E.	
2	H	from NW to E hor., scattered around hor.	
2	H	Masses of around hor., otherwise clear.	
1	B	Masses of and around hor., except in NW.	
1	B	" " "	
1	B	in hor. from N to W; scattered from E to SW hor.	
3	B	Masses of scattered about, moving ENE; in S hem., moving WNW.	
4	C	Masses of scattered about, moving E; and along E hor.	
6	C	Masses of , moving E; along E hor.; scattered in hem.	
8	C	scattered throught; about zth.; a few in W of zth.; lightning in ESE observed at 7h. 37m.	
7	C	Densely clouded with , moving E; faint lightning in ESE.	
6	H	scattered throughout; lightning in SE hor. every 10m.	
6	H	scattered throughout; lightning in SE hor. every 42m.	
6	H	scattered throughout; lightning in SE every 2m.; drops of rain from 11h. 17m. to 11h. 28m.	
4	H	scattered about, moving E; lightning in SE every 2m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 85°1. Daily fall of rain by Osler's Gauge 0.14.
3	B	scattered about hor.; lightning in SSE; thunder but once heard in SSE.	
3	B	scattered in SE and E around hor., moving SE; lightning in S.	
4	B	scattered about, moving SE; lightning in SE every 5m.	
5	B	" " "	
7	C	Densely clouded with , moving ESE; scattered about hor. from NE to SW.	
7	C	Densely clouded with , moving ESE; patches of in SW & W; light rain commenced at 6h 39m.	
8	C	Overcast with , moving E; rain ceased at 7h. 7m. and recommenced at 7h. 59m.	
8	C	Overcast with and , former moving ESE; rain ceased at 3h. 4m. but recommenced at 8h. 30m. which lasted 6m..	
7	H	Densely clouded with , moving E.	
7	H	" "	
7	H	" "	

Bombay Civil Time, 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By New mun's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	m.		Sc. div.	Sc. div.	m. s.
June 19th—Noon.	29.663	28.654	88·4	82·3	6·1	80·2	0.78	88·5	86·2	W	0.1		+	1		Above 10m.
1 p. m.	.641	.700	88.6	80.8	7.8	78.0	.72	89.0	86.4	NW	0.2		+	1		Above 10m.
2 „	.618	.638	89.4	81.9	7.5	79.3	.73	89.7	86·4	WNW	0.2		+	2		Above 10m.
3 „	.598	.618	89.4	81.9	7.5	79.3	.73	89.4	86.6	„	0.4		+	2		6.13
4 „	.593	.632	89.1	81.4	7.7	78.7	.72	89.1	86.7	„	0.4	None.	+	2	None.	Above 10m.
5 „	.598	.636	88.3	81.2	7.1	78.7	.74	88.7	86.7	NW b W	0.3		+	2		4.35
6 „	.622	.668	87.3	80.3	7.0	77.7	.74	87.5	86.7	„	0.3		+	2		Above 10m.
7 „	.639	.698	85.8	80.1	5.7	78.0	.78	86.7	86.5	NW	0.4		+	2		3·23
8 „	.651	.695	85.3	80.3	5.0	78.5	.81	86.4	86.4	WNW	0.3		+	2		Above 10m.
9 „	.665	.771	84.8	78.7	6.1	76.4	.77	85.5	86.2	NW b W	0.2		+	4		Above 10m.
10 „	.674	.748	84.5	79.4	5.1	77.5	.80	85.0	86.0	WNW	0.2		+	3		Above 10m.
11 „	.670	.749	84.2	79.2	5.0	77.4	.81	84.9	85.9	„	0.3		+	2		Above 10m.
June 21st—Midnight	.657	.734	81.4	78.5	2.9	77.4	.88	82.2	84.5	W b S	0.2					
1 a. m.	.642	.719	81.4	78.5	2.9	77.4	.88	82.4	84.3	SW b W	0.2					
2 „	.622	.711	81.3	78.2	3.1	77.0	.87	82.2	84.2	W	0.4		+	1		Above 10m.
3 „	.621	.705	81.2	78.3	2.9	77.2	.88	82.0	84.1	„	1.5		+	2		Above 10m.
4 „	.632	.789	79.9	76.1	3.8	76.6	.84	80.8	83.8	WNW	0.8	0.01				
5 „	.655	.793	77.8	76.0	1.8	75.3	.92	79.2	83.5	NW b W	0.1					
6 „	.672	.780	78.6	77.0	1.6	76.4	.93	79.8	83.3	NNE	0.0	0·01				
7 „	.671	.722	80.2	78.8	1.4	78.3	.94	81.0	83.3	E	0.1	0.01				
8 „	.686	.749	82.0	79.0	3.0	77.9	.88	82.1	83.5	S b E	0.1					
9 „	.699	.739	81.4	79.4	2.0	78.7	.92	82.6	83.5	W b S	0.1	0·04				
10 „	.698	.750	84.8	80.0	4.8	78.3	.81	85.0	84.0	SW b S	0.1					
11 „	.690	.744	85.4	80.1	5.3	78.1	.80	85.4	84.3	„	0.2					
Noon.	.683	.709	87.2	81.2	6.0	79.1	.78	87.2	84.6	SW	0.3					
1 p. m.	.669	.778	86.2	79.0	7.2	76.3	.73	86.6	84.7	S b W	0.2		+	1		Above 10m.
2 „	.670	.706	88.1	81.2	6.9	78.8	.75	87.5	85.0	SSW	0.6		+	2		Above 10m.
3 „	.648	.696	86.0	80.4	5.6	78.4	.79	86.6	84.9	„	0.4					
4 „	.641	.687	86.2	80.5	5.7	78.5	.78	86.4	85.1	„	0.3		+	1		Above 10m.
5 „	.650	.689	85.6	80.5	5.1	78.7	.80	85.9	85.1	„	0.3		+	1		Above 10m.
6 „	.656	.720	84.8	79.7	5.1	77.9	.80	85.3	85.0	WSW	0.2		+	1		Above 10m.
7 „	.675	.732	83.8	79.6	4.2	78.1	.84	84.2	84.8	SW	0.2					
8 „	.698	.771	82.2	78.8	3.4	77.6	.86	83.2	84.6	WSW	0.1		+	2		3.10
9 „	.706	.778	82.8	79.0	3.8	77.6	.85	83.4	84.6	SW b W	0.2		+	1		Above 10m.
10 „	.717	.811	84.0	78.0	3.0	76.8	.88	81.4	84.3	WSW	0.2	0.07	+	Out of Sc.	26	Above 10m.
11 „	.713	.827	79.2	77.0	2.2	76.1	.91	80.8	84.1	„	0.0		+	1		Above 10m.
June 22nd—Midnight	.703	.782	79.6	78.0	1.6	77.4	.93	80.8	84.0	SW b W	0.1		+	1		Above 10m.
1. a. m.	.674	.733	79.8	78.5	1.3	78.0	.95	81.4	83.7	SW b S	0.4					
2 „	.664	.724	80.2	78.6	1.6	78.2	.93	81.4	83.7	S b W	0.2	0.03	+	2		Above 10m.
3 „	.648	.726	79.5	78.0	1.5	77.4	.94	80.8	83.6	WNW	3·0	0·02	—	Out of Sc.	1.00	0.04
4 „	.654	.738	77.8	76.2	1.6	75.6	.93	79.2	83.3	NNW	0.0		—	Out of Sc.	Out of Sc.	Instantly.
5 „	.670	.758	79.0	77.6	1.4	77.1	.94	80.2	83.1	W b S	0.0		+	8		
6 „	.683	.730	80.2	78.9	1.3	78.4	.95	81.0	83.1	WNW	0.2	0.03				
7 „	.703	.800	80.8	77.7	3.1	76.7	.87	81.2	83.3	E	0.0	0.01				
8 „	.705	.793	79.0	77.6	1.4	77.1	.94	80.3	83.0	ESE	0.0					
9 „	.704	.726	81.0	79.7	1.3	79.3	.95	82.0	83.1	SE b E	0.1					
10 „	.706	.742	82.6	79.8	2.8	78.8	.89	83.4	83.3	NW b N	0.1					
11 „	.702	.726	83.2	80.2	3.0	79.2	.88	83.9	83.5	WNW	0.1					
Noon.	.693	.775	87.4	80.0	7.4	77.3	.73	87.4	84.0	„	0.2					
1 p. m.	.679	.744	86.8	80.2	6.6	77.8	.76	87.0	84.4	WSW	0.2					
2 „	.662	.654	87.3	82.0	5.3	80.2	.80	87.7	84.5	SSW	0.4					
3 „	.644	.665	84.3	80.6	3.7	79.3	.85	84.7	84.6	„	0.8	0·01				
4 „	.630	.652	84.8	79.9	1.9	79.3	.92	83.0	84.2	S b W	0.4	0.34	+	8		1·48
5 „	.622	.686	80.6	78.6	2.0	77.9	.92	81.6	84.0	SW b S	0.3	0·01	+	Out of Sc.	60	0.14
6 „	.632	.684	81.4	79.1	2.3	78.3	.91	82.2	83.8	„	0.3		+	1		Above 10m.
7 „	.641	.718	81.4	78.5	2.9	77.4	.88	82.1	83.8	WSW	0.2		+	1		Above 10m.
8 „	.664	.739	81.6	78.0	3.6	77.5	.86	82.4	83.7	SW b W	0.2		+	13		2·43
9 „	.662	.725	82.0	79.0	3.0	77.9	.88	82.4	83.9	„	0.2		+	1		Above 10m
10 „	.669	.745	82.4	78.8	3.6	77.5	.86	82.9	83.9	WSW	0.3		+	2		Above 10m.
11 „	.664	.749	80.2	78.0	2.2	77.2	.91	80.5	83.8	SW b W	0.5	0.06	—	Out of Sc.	Out of Sc.	Instantly.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
8	H	Densely clouded with ∿, moving E.	
8	B	Overcast with ∿, moving E; ∿ in E and SE above hor.	
7	B	Densely clouded wih ∿, moving NE; ∿ and ∿ along E hor.	
8	B	Overcast with ∿, moving ESE; ∿ above N hor.; ⌣ from SE to W hor.; break in SE.	
8	B	∿ from NE to S hor.; ⌣ around hor.; ∿ scattered throughout.	
7	B	∿ from N to SE hor.; ⌣ scattered around hor., except in NW and W; ∿ scattered throughout.	
8	B	Densely clouded with ∿ and ∿; ⌣ around hor.	
8	B	Overcast with ∿ and ∿, both moving ESE.	
7	B	∿ and ∿ scattered throughout; a lunar-halo; a few stars dimly visible.	
6	B	∿ scattered about, moving SE; ∿ and ∿ lying about zth.	
7	B	∿ and ∿ scattered throughout, former moving E; a few patches of ∿ in E.	
7	B	∿ scattered throughout, moving E.	
8	H	Overcast with ∿, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°0 and 85°2. Daily fall of rain by Osler's Gauge 0.13.
6	B	∿ scattered throughout, moving ENE.	
4	B	∿ scattered about rather densely in E hem.; moving NE.	
4	B	∿ scattered about, moving NE; showers of rain at 3.25 and 3.35 which lasted respectfully 7m. and 3m.	
5	B	∿ scattered about rather densely in W hem.; drops of rain falling from 4h. 39m.	
8	C	Overcast with ∿, moving E; a break in E of zth.; rain ceased at 5h. 4m. but recommenced at 5h. 28m.; part of rainbow visible in SW.	
8	C	Overcast; rain ceased at 6h. 38m; breaks in NE and S.	
8	C	Overcast; rainbow visible in W.	
8	C	Overcast with ∿, moving NE; rain fell from 8h. 4m. to 8h. 15m. and from 8h. 30m. to 8h. 45m.	
7	H	∿ scattered throughout, moving NE.	
7	H	Densely clouded with ∿ patches of ∿ about zth.	
6	H	∿ and ∿ scattered throughout, both moving NE.	
6	H	" "	
7	B	∿ scattered thoughout, moving ENE; patches of ∿ in NE above hor.	
7	B	Densely clouded with ∿, ∿, and ∿, former moving NE.	
7	B	⌒ along E hor.; ∿ and ∿ in E hem.; ∿ scattered throughout.	
6	B	⌒ in E hor.; ∿ around hor., moving E; ∿ and ∿ scattered throughout.	
6	B	⌒ in ENE hor.; ∿, ∿, and ∿ scattered throughout, former moving ENE.	
6	C	∿ and ∿ about hor.; ∿ scattered throughout.	
7	C	Densely clouded with ∿ and ∿, both moving ENE.	
7	C	∿ and ∿ scattered throughout, former moving E.	
8	H	Overcast with ∿ a break in NW; rain commenced at 9h. 44m. and ceased at 5h. 54m.	
8	H	Overcast with ∿, moving E.	
8	H	Overcast; light rain commenced at 11h. 36m.	
8	H	Overcast with ∿, moving E; raining.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°1 and 85°1. Daily fall of rain by Osler's Gauge, 0.51. Maximum Tension of Electricity by Henly's Apparatus 20.0. Maximum length of Spark by Ronald's Measure 0.26in.
8	B	Overcast; rain ceased at 1h. 50m.	
6	B	∿ scattered throughout; passing showers of rain at 2h. 13m., 2h. 45m., & 2h. 51m.	
8	B	Overcast; rain commenced at 3h. 32m.	
8	B	Overcast; rain ceased at 4h. 10m.	
8	C	Overcast; drops of rain falling from 5h. 5m.	
8	C	Overcast with ∿, moving ESE; rain ceased at 6h. 56m.	
8	C	Overcast with ∿, moving E.	
8	C	Overcast; drizzling rain commenced at 8h. 11m.	
8	H	Overcast; raining.	
8	H	Overcast; drizzling rain commenced at 10h. 52m. and ceased at 10h. 57m.	
8	H	Overcast; no rain.	
7	H	Densely clouded with ∿.	
8	B	⌒ in ENE hor., otherwise clouded with ∿.	
8	B	⌒ in E hor.; ∿ scattered throughout; drops of rain at 2h. 7m. and at 2h. 45m. rain commenced at 2h. 43m.	
8	B	Overcast with ∿, moving ENE; raining.	
8	B	Overcast with ∿, moving E; rain in drops from 4h. to 4h. 8m. and from 4h. 19m. to 4h. 28m.	
8	B	⌒ in SE hor.; ⌣ around hor.; ∿ scattered throughout; drops of rain falling; rainbow visible in E.	
8	C	Overcast with ∿, moving ENE; breaks in W and WSW; rain in drops ceased at 6h. 2m.	
7	C	∿ and ∿ scattered throughout; lightning in NE observed at 7h. 42m.	
7	C	Densely clouded with ∿, moving E; lightning in NE every 7m.	
8	H	Overcast with ∿, moving E.	
8	H	Overcast; drizzling rain commenced at 10h. 30m.	
8	H	Overcast; rain ceased at 11h. 45m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 23rd-Midnight	29.655	29.707	81°0	79°0	2°0	78°3	0.92	82°0	83°6	W b N	0.1	0.02				
1 a. m.	.630	.701	80.9	78.5	2.4	77.6	.91	81.7	83.6	W	0.0	0.01				
2 „	.612	.701	80.5	78.0	2.5	77.0	.90	81.4	83.5	W b N	0.2	0.04	+	3		Above 10m.
3 „	.585	.689	80.4	77.6	2.8	76.5	.91	81.2	83.3	„	0.2	0.01	+	3		6.29
4 „	.585	.677	80.8	78.0	2.8	76.9	.89	81.4	83.3	W b S	0.3		+	4		8.45
5 „	.594	.686	80.8	78.0	2.8	76.9	.89	81.7	83.2	„	0.1		+	1		Above 10m.
6 „	.612	.687	81.2	78.5	2.7	77.5	.89	82.0	83.2	„	0.0		+	2		0.43
7 „	.619	.680	82.2	79.1	3.1	78.0	.88	82.8	83.4	„	0.0					
8 „	.622	.661	83.6	80.0	3.6	78.7	.86	84.1	83.5	„	0.0					
9 „	.629	.649	84.6	80.7	3.9	79.3	.85	85.2	83.7	„	0.2					
10 „	.617	.604	86.0	81.8	4.2	80.4	.84	86.2	84.1	SSW	0.3					
11 „	.612	.573	85.7	82.3	3.4	81.2	.87	86.2	84.4	S b W	0.2				None.	
Noon.	.593	.582	87.0	82.0	5.0	80.3	.81	87.4	84.5	WSW	0.2					
1 p. m.	.581	.571	87.9	82.2	5.7	80.3	.79	88.2	84.7	SW b W	0.2					
2 „	.568	.585	87.5	81.5	6.0	79.4	.78	87.6	84.9	SW	0.2					
3 „	.545	.561	86.7	81.3	5.4	79.4	.80	87.1	84.9	SW b W	0.2					
4 „	.534	.534	84.8	81.2	3.6	80.0	.86	85.5	84.8	WNW	0.2					
5 „	.515	.558	84.0	80.0	4.0	78.6	.84	84.3	84.8	SW b W	0.2					
6 „	.520	.549	83.5	80.2	3.3	79.0	.87	84.1	84.7	SSW	0.2					
7 „	.528	.560	83.0	80.0	3.0	78.9	.88	83.7	84.5	„	0.3					
8 „	.543	.586	82.5	79.6	2.9	78.6	.88	83.1	84.4	„	0.2					
9 „	.567	.592	82.4	80.0	2.4	79.2	.90	83.2	84.4	„	0.2					
10 „	.559	.601	82.4	79.6	2.8	78.6	.89	83.2	84.3	SW b W	0.2					
11 „	.541	.583	82.4	79.6	2.8	78.6	.89	83.2	84.3	SW	0.2		+	2		Above 10m.
June 24th-Midnight	.525	28.556	82.2	79.8	2.4	79.0	.90	83.0	84.2	WSW	0.1		+	2		Above 10m.
1 a. m.	.515	.560	82.3	79.5	2.8	78.5	.89	83.2	84.2	W	0.1		+	3		Above 10m.
2 „	.499	.550	82.4	79.4	3.0	78.3	.88	83.2	84.0	W b N	0.2		+	4		Above 10m.
3 „	.501	.541	82.2	79.6	2.6	78.7	.89	83.0	84.1	„	0.3	0.01	+	2		Above 10m.
4 „	.511	.560	81.5	79.2	2.3	78.4	.90	82.4	83.8	„	0.3	0.04	+	6		Above 10m.
5 „	.520	.547	80.2	79.4	0.8	79.1	.97	81.4	83.6	„	0.1	0.10	+	2		Above 10m.
6 „	.547	.590	80.2	79.0	1.2	78.6	.95	81.2	83.6	N	0.0	0.01	+	7		Above 10m.
7 „	.566	.607	80.0	79.0	1.0	78.6	.96	80.9	83.5	WNW	0.0	0.07	+	1		Above 10m.
8 „	.587	.675	77.6	77.2	0.4	77.1	.98	79.7	83.1	„	0.0	0.21	—	Out of Sc.	Out of Sc.	Instantly.
9 „	.601	.688	78.2	77.4	0.8	77.1	.97	79.9	83.0	„	0.0	0.57	+	2		Above 10m.
10 „	.586	.656	78.8	78.0	0.8	77.7	.97	80.7	83.0	W b N	0.0	0.30	+	1		Above 10m.
11 „	.590	.623	80.8	79.4	1.4	78.9	.94	81.6	83.0	NNE	0.2	0.02	+	1		Above 10m.
Noon.	.590	.663	80.2	78.3	1.9	77.8	.92	80.7	83.0	„	0.2		+	1		Above 10m.
1 p. m.	.583	.657	79.9	78.2	1.7	77.5	.93	80.7	82.8	„	0.0	0.01				
2 „	.579	.669	78.9	77.5	1.4	77.0	.94	79.6	82.7	„	0.0	0.03				
3 „	.577	.703	77.5	76.2	1.3	75.7	.95	78.9	82.5	SW	0.3	0.19				
4 „	.571	.722	76.2	75.2	1.0	74.8	.96	77.7	82.2	SSW	0.3	0.05				
5 „	.546	.633	76.7	77.0	0.3	77.1	1.01	78.1	82.0	S	2½ to 12	0.12				
6 „	.564	.690	76.7	76.0	0.7	75.7	.97	77.8	82.0	NNW	2 to 5½	0.20				
7 „	.577	.691	77.4	76.5	0.9	76.1	.96	78.3	81.7	„	2 to 5	0.04				
8 „	.589	.670	78.0	77.5	0.5	77.3	.98	78.8	81.9	„	1¾ to 4	0.04				
9 „	.593	.724	77.2	76.0	1.2	75.5	.95	78.0	81.9	N b W	2 to 4	0.01				
10 „	.597	.718	78.0	76.5	1.5	75.9	.94	79.2	81.8	NNW	0.5	0.02				
11 „	.592	.668	78.6	77.8	0.8	77.5	.97	79.7	81.9	„	0.0	0.01				
June 25th-Midnight	.571	.647	78.6	77.8	0.8	77.5	.97	79.7	81.9	NNW	0.1	0.02	+	1		Not observed
1 a. m.	.575	.685	77.8	76.6	1.2	76.3	.95	78.7	81.7	„	0.1	0.03				
2 „	.556	.626	78.4	77.9	0.5	77.7	.98	79.4	81.6	N	0.2	0.02				
3 „	.550	.671	77.0	76.2	0.8	75.9	.97	77.7	81.5	E b N	0.0					
4 „	.573	.729	75.9	75.0	0.9	74.6	.96	76.7	81.3	WSW	0.2	0.76	+	3		0.05
5 „	.577	.695	76.0	76.0	0.0	76.0	1.00	76.7	81.2	NNW	0.2	0.34				
6 „	.593	.685	77.2	77.0	0.2	76.9	.99	78.2	81.1	N b E	0.1	0.04				
7 „	.587	.676	78.4	77.4	1.0	77.0	.96	79.2	81.2	N b W	0 to 2	0.17				
8 „	.599	.640	80.0	79.0	1.0	78.6	.96	80.7	81.5	W	0 to 1					
9 „	.602	.625	80.7	79.6	1.1	79.2	.95	81.4	81.7	NW	½ to 1½	0.05				
10 „	.608	.641	81.6	79.6	2.0	78.9	.92	81.9	82.0	„	½ to 2½	0.01	—	Out of Sc.	Out of Sc.	Instantly.
11 „	.614	.695	79.8	78.0	1.8	77.3	.92	80.7	82.0	„	2 to 4	0.02	+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	
8	H	Overcast with Cirro-strati in two strata, lower one moving E; drizzling rain from 0h. 9m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°7 and 85°0. Daily fall of rain by Osler's Gauge 0.08.
8	B	Overcast; showers of rain at 1h. 3m. and 1h. 42m., which lasted respectively for 23m. and 16m.	
8	B	Overcast; a shower of rain at 2h. 21m. which lasted 11m.	
8	B	Overcast with Cirro-strati, moving SE.	
6	B	Cirro-strati scattered throughout, moving E.	
6	C	Cirro-strati scattered throughout, moving ENE; Cirri lying in E.	
8	C	Overcast with Cirro-strati and Cirri, former moving ENE.	
8	C	Overcast with Cirro-strati, moving ENE.	
8	C	Overcast with Cirro-strati, moving E; drizzling rain from 8h. 11m. to 8h. 19m.	
8	H	Overcast.	
8	H	"	
8	H	"	
8	H	"	
8	B	"	
8	B	Overcast with Cirro-strati, moving ENE.	
8	B	" "	
8	B	Overcast; drops of rain at 4h. 49m.	
8	C	Overcast with Cirro-strati, moving ENE.	
8	C	Overcast with Cirro-strati, moving NE.	
8	C	Overcast; drops of rain from 7h. 37m. to 7h. 59m.	
8	C	Overcast; raining from 3h. to 8h. 30m.	
8	H	Overcast; a light drizzle at 9h. 14m. which lasted 3m.	
8	H	Overcast with Cirro-strati, moving NE; lightning in W.	
8	H	Overcast with Cirro-strati, moving E; lightning in W.	
8	H	Overcast with Cirro-strati, moving E; a few drops of rain at 0h. 17m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°6 and 85°0. Daily fall of rain by Osler's Gauge 2.00; Maximum Tension of Electricity by Henly's Apparatus 10. Maximum length of Spark by Ronald's Measure 0.12in.
8	B	Overcast with Cirro-strati, moving E.	
8	B	Overcast; light rain at 2h. 39m. wich ceased at 2h. 32m.	
8	B	Overcast; rain commenced at 3h. 8m.	
8	B	Overcast; raining.	
8	C	" "	
8	C	Overcast with Cirro-strati, moving SE; raining.	
8	C	Overcast; raining.	
8	C	" "	
8	H	Overcast; raining rather heavily from 9h. to 9h. 25m.	
8	H	Overcast with Cirro-strati, moving E; rain ceased at 10h. 48m.	
8	H	Overcast with Cirro-strati, moving E; rain commenced at 11h. 19m.	
8	H	Overcast with Cirro-strati, moving SE; raining very lightly.	
8	B	Overcast with Cirro-strati, moving ESE; raining.	
8	B	Overcast with Cirro-strati, moving SSW; raining.	
8	B	Overcast with Cirro-strati, moving SE; raining.	
8	B	Overcast; raining; motion of Cirro-strati was E.	
8	C	" " "	
8	C	Overcast with Cirro-strati, moving NE; raining.	
8	C	" " "	
8	C	" " "	
8	H	" " "	
8	H	" " "	
8	H	Overcast with Cirro-strati in two strata, lower stratum moving E; raining lightly.	
8	H	Overcast with Cirro-strati, moving SE; raining lightly.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°3 and 85°0. Daily fall of rain by Osler's Gauge 3.39; Maximum Tension of Electricity by Henly's Apparatus 17. Maximum length of Spark by Ronald's Measure 0.20in.
8	B	Overcast with Cirro-strati, moving E; rain ceased at 1h. 33m.	
8	B	Overcast; a shower of rain from 2h. 12m. to 2h. 18m.	
8	B	Overcast with Cirro-strati, moving SE; rain commenced at 3h. 44m.	
8	B	Overcast; rain ceased at 4h. 25m. but re-commenced at 4h. 29m.	
8	C	Overcast with Cirro-strati, moving E; raining.	
8	C	Overcast; rain ceased at 6h. 21m.	
8	C	Overcast.	
8	C	Overcast; a shower of rain at 8h. 37m. which lasted 5m.	
8	H	Overcast.	
8	H	Overcast; rain commenced at 10h.	
8	H	Overcast; raining lightly.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	inf	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 25th–Noon.	29.614	28.663	80°0	78°8	1°2	78°4	0.95	80°4	82°0	N b W	1 to 1½	0.05	+	2		Above 10m.
1 p. m.	.597	.686	78.4	77.4	1.0	77.0	.96	78.8	81.8	NW b N	0.3	0.31	+	3		0·08
2 „	.595	.671	78.6	77.8	0.8	77.5	.96	79.6	81.7	„	0.2	0.01	+	4		1.20
3 „	.586	.660	78.1	77.7	0.4	77.0	.97	79.1	81.5	„	0 to 2	0.42	−	Out of Sc.	Out of Sc.	Instantly.
4 „	.584	.659	77.8	77.6	0.2	77.5	.99	78.9	81.5	„	0.3	0.47	−	10	10	1.00
5 „	.589	.644	78.6	78.3	0.3	78.2	.99	79.4	81.5	NW b W	0.4	0.14	+	2		Above 10m.
6 „	.609	.673	78.3	78.0	0.3	77.9	.99	79.3	81.5	„	0 to 1¼	0.11	+	3		1.03
7 „	.614	.698	78.3	77.5	0.8	77.2	.97	79.2	81.5	„	0.2		−	Out of Sc.	Out of Sc.	Instantly.
8 „	.626	.671	78.9	78.6	0.3	78.5	.99	80.1	81.5	„	0.1	0.02				
9 „	.627	.756	77.0	76.0	1.0	75.6	.96	77.5	81.5	WNW	0 to 1½	0.11	−	Out of Sc.	Out of Sc.	Instantly.
10 „	.640	.699	77.8	77.8	0.0	78.0	1.00	78.8	81.5	NW b W	0.2	0.02	−	Out of Sc.	Out of Sc.	Instantly.
11 „	.633	.695	78.1	78.0	0.1	77.9	1.00	79.0	81.5	„	0.2	0.16				
June 26th-Midnight	.614	.651	79.6	79.0	0.6	78.8	0.98	80.2	81.6	W b N	0.2		+	2		Above 10m.
1 a. m.	.599	.661	78.1	78.0	0.1	77.9	.99	78.2	81.4	NW b W	0 to 4½	0.73	+	Out of Sc.	30	Above 10m.
2 „	.608	.645	79.6	79.0	0.6	78.8	.98	80.4	81.5	W b N	0 to 4¼	0.04				
3 „	.600	.676	79.7	78.1	1.6	77.5	.93	80.5	81.5	WNW	¼ to 3½	0.11	+	Out of Sc.	90	Instantly.
4 „	.600	.639	79.9	79.1	0.8	78.7	.97	80.7	81.5	W	½ to 3¾	0.15				
5 „	.606	.697	80.0	77.8	2.2	76.9	.91	80.7	81.5	„	½ to 2					
6 „	.620	.680	79.0	78.3	0.7	78.0	.97	80.1	81.5	„	½ to 4½	0.05				
7 „	.634	.740	79.2	77.2	2.0	76.4	.92	78.8	81.7	WNW	½ to 6½	0.06	+	1		Above 10m.
8 „	.641	.679	80.1	79.1	1.0	78.7	.96	80.8	81.5	W	¼ to 2¼	0.01				
9 „	.666	.728	81.2	78.8	2.4	77.9	.91	81.0	81.8	„	¼ to 4	0.03	+	1		Above 10m.
10 „	.672	.680	82.4	80.4	2.0	79.7	.92	82.9	82.0	„	1 to 3½	0.01				
11 „	.680	.679	83.2	80.8	2.4	80.0	.90	83.6	82.3	„	½ to 2¾					
Noon.	.682	.689	84.6	81.0	3.6	79.7	.86	84.8	82.6	WSW	½ to 2¾					
1 p. m.	.679	.679	85.6	81.4	4.2	80.0	.84	85.7	82.9	„	¾ to 3½					
2 „	.671	.695	84.6	80.6	4.0	79.2	.84	86.1	82.9	SW b W	½ to 2½					
3 „	.662	.702	83.7	80.0	3.7	78.7	.85	83.6	82.5	WSW	½ to 2½					
4 „	.657	.685	83.4	80.2	3.2	79.1	.87	83.6	82.6	SW	½ to 2½					
5 „	.659	.693	83.2	80.0	3.2	78.9	.87	83.5	83.0	W b S	¾ to 5					
6 „	.671	.709	81.2	79.4	1.8	78.7	.93	82.2	82.8	SW b W	¾ to 5½	0.06				
7 „	.685	.721	79.9	79.1	0.8	78.8	.97	80.7	82.7	WSW	½ to 3½	0.14				
8 „	.698	.714	80.8	79.8	1.0	79.4	.96	81.6	82.7	SW b W	½ to 5½	0.04				
9 „	.706	.730	81.5	79.8	1.7	79.2	.93	82.2	82.7	WSW	½ to 3½	0.04				
10 „	.727	.766	81.8	79.5	2.3	78.7	.91	82.2	82.7	SW	½ to 2¾					
11 „	.725	.788	82.0	79.0	3.0	77.9	.88	82.4	82.7	SW b W	¾ to 2					
June 28th-Midnight	.736	.784	78.8	78.5	0.3	78.4	.99	80.1	82.8	SW b W	0 to 1½	0.05				
1 a. m.	.725	.778	80.3	78.8	1.5	78.2	.94	81.2	82.6	WSW	0.8					
2 „	.711	.779	79.7	78.1	1.6	77.7	.93	80.7	82.6	„	0 to 2½					
3 „	.698	.783	80.2	78.0	2.2	77.2	.91	81.0	82.6	„	0.8					
4 „	.697	.764	80.5	78.5	2.0	77.8	.92	81.2	82.6	SW b W	0.8					
5 „	.704	.764	80.2	78.6	1.6	78.0	.93	80.4	82.5	W b S	0 to 1	0.04				
6 „	.724	.793	79.8	78.1	1.7	77.7	.93	80.6	82.5	SW b W	0 to 1½					
7 „	.736	.765	81.2	79.6	1.6	79.0	.93	82.3	82.7	WSW	0.6					
8 „	.743	.800	82.2	79.2	3.0	78.1	.88	82.9	82.8	„	0 to 2¾	0.17				
9 „	.751	.768	84.8	80.8	4.0	79.4	.84	84.8	82.9	„	½ to 1½					
10 „	.756	.784	82.6	80.0	2.6	79.1	.90	83.3	82.9	„	½ to 3½	0.15				
11 „	.753	.744	86.0	81.7	4.3	80.2	.84	86.2	83.2	„	½ to 1					
Noon.	.755	.840	84.0	79.0	5.0	77.2	.81	82.8	83.5	W b S	½ to 4					
1 p. m.	.735	.741	83.8	80.8	3.0	79.8	.88	84.8	83.3	WSW	0 to 1	0.11				
2 „	.721	.744	84.1	80.5	3.6	79.2	.86	84.8	83.3	„	0 to 2					
3 „	.710	.826	81.9	77.7	4.2	76.1	.83	82.9	83.2	„	0 to 1¾					
4 „	.692	.797	82.7	78.2	4.5	76.5	.82	83.5	83.3	„	0 to 1					
5 „	.684	.732	81.0	79.1	1.9	78.4	.92	82.3	83.2	SW b S	0 to 3½	0.10				
6 „	.691	.746	82.4	79.3	3.1	78.2	.87	82.9	83.1	WSW	0 to ½					
7 „	.706	.756	81.6	79.2	2.4	78.3	.90	82.4	83.1	„	0 to ½					
8 „	.720	.779	81.6	79.0	2.6	78.0	.89	82.8	83.0	„	0.4					
9 „	.729	.827	81.4	78.0	3.4	76.7	.86	82.0	83.0	„	0.3					
10 „	.749	.830	81.3	78.5	3.3	77.3	.87	82.2	83.0	„	0.4					
11 „	.736	.803	81.6	78.8	2.8	77.8	.89	82.2	83.0	„	0.8					

None. None. None. None.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩ cumulo-strati; and ∿ nimbi.	
8	H	Overcast; raining rather heavely at 12h. 43m.	
8	B	Overcast; a shower of rain at 1h. 14m. which lasted 6m.	
8	B	Overcast; smart showers of rain.	
8	B	Overcast; rain commenced at 3h. 4m., ceased at 3h. 42m.	
8	B	Overcast; rain commenced at 4h. 47m.	
8	C	Overcast; distant thunder in SW; rain ceased at 5h. 25m.	
8	C	Overcast; a few drops of rain at 6h. 17m.	
8	C	Overcast with ∿, moving ENE; drops of rain falling now and then; lightning in SW observed at 7h. 35m.	
8	C	Overcast with ∿, moving E; lightning in WSW; light rain commenced at 8h. 45m.	
8	H	Overcast; thunder in W at 9h. 9m.; lightning in SE; rain ceased at 9h. 18m. but recommenced at 9h. 40m.	
8	H	Overcast; lightning in E; passing showers of rain.	
8	H	Overcast; lightning in ESE.	
8	H	Overcast with ∿, moving E; rain commenced at 0h. 21m. in smart showers,	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 85°0. Daily fall of rain by Osler's Gauge 1.44.
8	B	Overcast; a shower of rain at 1h. 7m. which lasted 2m.	
8	B	Overcast; showers of rain at 2h. 9m. and at 2h. 33m. both of which lasted 8m.	
8	B	Overcast; a heavy shower of rain at 3h. 5m. which lasted 8m.	
8	B	Overcast; lightning in N hor. at intervals of 1m. 16s.	
8	C	Overcast with ∿, moving NE; lightning at 5h. 23m. and at 5h. 56m. which lasted respectively	
8	C	Overcast with ∿; no rain. [9m. and 4m.	
8	C	Overcast; rain from 7h. to 7h. 9m.	
8	C	Overcast with ∿.	
8	H	Overcast with ∿, moving E; passing showers of rain at 9h. and at 9h. 7m.	
8	H	Overcast.	
8	H	„	
8	H	„	
8	B	Overcast with ∿, moving ENE.	
8	B	Overcast with ∿, moving NE; drizzling rain commenced at 2h. 58m. which lasted 3m.	
8	B	Overcast; passing showers of rain at 3h. 4m. and 3h. 7m.	
8	B	Overcast; a few drops of rain at 4h. 30m.	
8	H	Overcast; passing showers of rain at 5h. 25m. and 5h. 39m.	
8	H	Overcast; passing showers of rain at 6h. 22m., 6h. 37m., and at 6h. 50m.	
8	H	Overcast; a shower of rain at 7h. 48m. which lasted 2m.	
8	H	Overcast; light rain from 8h. 55m. to 8h. 60m.	
8	H	Overcast.	
8	H	„	
8	H	„	
8	H	Overcast with ∿, moving E.	
8	B	Overcast; a few patches of ∿ in N of zth.; a break in SW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°9 and 85°0. Daily fall of rain by Osler's Gauge 0.62in.
8	B	Overcast; a break in W of zth.	
8	B	Overcast; a break in S of zth.	
4	B	∿ scattered about, moving E.	
8	C	Overcast; breaks in N and W; light rain from 5h. to 5h. 3m.	
7	C	∿ and ∿ scattered throughout, former moving NE.	
7	C	Densely clouded with ∿; a shower of rain at 7h. 4m. which lasted 9m.	
6	C	∿ scattered about.	
8	H	Overcast; passing showers of rain between 9h. 2m. and 9h. 14m.	
8	H	Overcast with ∿, moving NE.	
7	H	∿ around hor.; otherwise clouded with ∿ and ∿.	
8	H	Overcast with ∿, moving NE; light rain from 12h. 2m. to 12h. 17m.	
8	B	∿ above N, E, and SW hor.; ∿ above N hor.; ∿ scattered throughout, moving E; a shower of rain from 1h. 10m.	
8	B	Overcast with ∿, moving ENE. [to 1h. 13m.	
8	B	Overcast with ∿, moving E; ∿ and ∿ lying about zth.; a break in SW.	
8	B	Overcast; ∿ above NW hor.; light rain from 4h. 34m. to 4h. 49m.	
7	C	Nearly overcast with ∿, moving NE; a rainbow in E.	
4	C	∿ and ∿ scattered about, former moving NE; drops of rain from 6h. 31m. to 6h. 36m.	
4	C	∿ scattered about; ∿ about, N of zth.; ∿ in W and N.	
5	C	∿ scattered about, moving NE.	
6	H	„ „	
8	H	Overcast with ∿, moving NE.	
8	H	„ „	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in hour and m. the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
June 29th-Midnight	29.727	28.848	79°8	77°0	2°8	75°9	0.88	80°6	82°9	SW b W	0 to 3½					
1 a. m.	.716	.780	80.2	78.5	1.7	77.9	.93	81.2	82.7	„	0.6					
2 „	.701	.785	80.8	78.2	2.6	77.3	.89	81.5	82.6	„	0.7					
3 „	.700	.770	81.1	78.6	2.5	77.3	.90	81.8	82.6	„	0.5					
4 „	.694	.765	80.4	78.4	2.0	77.6	.92	81.1	82.6	„	0.2	0.02				
5 „	.694	.779	80.2	78.0	2.2	77.2	.91	81.1	82.5	„	0.2					
6 „	.707	.770	80.9	78.7	2.2	77.9	.91	82.0	82.5	„	0.3					
7 „	.722	.793	82.7	79.0	3.7	77.6	.85	82.7	82.7	„	0.6					
8 „	.733	.739	84.5	81.0	3.5	79.8	.86	84.7	82.9	„	0.6					
9 „	.742	.731	85.8	81.7	4.1	80.3	.84	86.1	83.9	WSW	0.4					
10 „	.741	.726	86.6	82.0	4.6	80.4	.83	86.6	83.5	„	0.4					
11 „	.738	.734	87.6	82.0	5.6	80.1	.79	87.2	83.8	SW	0.4					
Noon.	.731	.753	88.0	81.5	6.5	79.3	.76	87.2	84.2	S b W	0.6					
1 p. m.	.724	.749	86.3	81.0	5.3	79.2	.80	85.8	84.2	WSW	0 to 1⅓	0.01	+	1		Above 10m.
2 „	.708	.806	84.1	78.7	5.4	76.7	.79	84.7	84.0	„	0 to 3½					
3 „	.701	.804	83.3	78.4	4.9	76.5	.81	83.9	83.8	„	0 to 3½					
4 „	.697	.785	83.9	78.9	5.0	77.1	.80	84.7	83.8	SW	0 to 1⅓					
5 „	.699	.749	83.9	79.8	4.1	78.3	.84	84.2	83.8	WSW	0.2					
6 „	.703	.813	79.6	77.2	2.4	76.3	.90	80.2	83.5	SW b S	½ to 4	0.13	—	Out of Sc.	Out of Sc.	Instantly.
7 „	.723	.846	80.0	77.0	3.0	75.8	.88	81.1	83.2	WSW	½ to 1½					
8 „	.727	.809	81.4	78.4	3.0	77.3	.88	82.2	83.1	W b S	0 to ½					
9 „	.733	.770	81.6	79.5	2.1	78.8	.91	82.2	83.0	W	0.5	0.02				
10 „	.742	.817	80.0	78.2	1.8	77.5	.92	81.2	83.0	„	½ to 1½	0.01				
11 „	.741	.791	81.6	79.2	2.4	78.3	.90	82.2	83.0	W b S	0.4					
June 30th-Midnight	.718	.810	79.0	77.5	1.5	76.9	.94	79.7	82.8	WNW	0 to 3½	0.10				
1 a. m.	.712	.748	79.9	79.1	0.8	78.8	.97	80.9	82.8	WSW	0.4	0.02				
2 „	.693	.739	80.8	79.1	1.7	78.5	.93	81.5	82.8	„	0 to 3½	0.01				
3 „	.682	.720	80.9	79.3	1.6	78.7	.93	81.6	82.7	„	0 to ½					
4 „	.677	.773	79.9	77.9	2.0	76.8	.92	80.2	82.7	WNW	0 to 2½					
5 „	.699	.793	77.4	77.0	0.4	76.8	.98	78.6	82.3	W	½ to 3½	0.02				
6 „	.710	.813	78.2	77.0	1.2	76.5	.94	79.3	82.1	WSW	½ to 1	0.02				
7 „	.718	.837	77.2	76.3	0.9	76.0	.96	78.2	82.0	NW b W	0 to ½	0.04				
8 „	.730	.800	79.1	78.1	1.0	77.7	.96	80.1	82.0	SW b W	0.3					
9 „	.737	.851	79.2	77.0	2.2	76.1	.91	79.2	82.2	SW b S	0 to ⅔	0.04				
10 „	.738	.737	81.6	80.4	1.2	80.0	.95	82.6	82.2	SW	0 to ⅓					
11 „	.733	.699	83.7	81.7	2.0	81.0	.92	84.4	82.5	„	0.4					
Noon.	.722	.763	83.8	80.0	3.8	78.6	.85	83.7	83.0	W b S	0.5					
1 p. m.	.718	.747	82.7	80.0	2.7	79.0	.89	83.7	82.9	SW b W.	½ to ⅔					
2 „	.705	.758	83.1	79.5	3.6	78.2	.85	83.7	82.9	SW	0.4				None.	
3 „	.694	.695	84.1	81.0	3.1	79.6	.88	84.8	83.1	W b S	0.4					
4 „	.688	.727	83.6	80.0	3.6	78.7	.86	84.2	83.2	W	0.3					
5 „	.684	.753	82.5	79.0	3.5	77.7	.86	81.3	83.3	„	½ to 2½	0.03				
6 „	.694	.798	78.6	77.1	1.5	76.5	.94	79.2	82.6	NW b W	0.2	0.13				
7 „	.710	.808	77.7	77.0	0.7	76.7	.97	78.9	82.4	WSW	0.2	0.13				
8 „	.725	.803	78.8	77.8	1.0	77.4	.96	79.9	82.4	„	0 to 2	0.02				
9 „	.730	.779	78.4	78.4	0.0	78.4	1.00	79.5	82.2	WNW	0.2	0.04				
10 „	.745	.783	79.0	78.8	0.2	78.7	.99	86.2	82.2	W b N	0.2		+	1		Above 10m.
11 „	.732	.752	88.0	79.5	0.5	79.3	.98	80.9	82.3	SW	0.3					
July 1st-Midnight	.716	.770	80.4	78.8	1.6	78.2	.93	81.1	82.4	W b S	0.3					
1 a. m.	.705	.745	81.0	79.3	1.7	78.7	.89	81.4	82.4	W S W	0.2					
2 „	.692	.769	80.9	78.4	2.5	77.4	.90	81.3	82.4	W b S	0.5		+	1		Above 10m.
3 „	.691	.798	80.0	77.4	2.6	76.4	.89	81.0	82.3	„	0.4		+	1		Above 10m.
4 „	.693	.765	80.5	78.4	2.1	77.6	.91	81.2	82.3	SW b W	0.6					
5 „	.708	.780	79.0	78.0	1.0	77.6	.96	80.2	82.0	WSW	0.2					
6 „	.726	.801	79.3	78.0	1.3	77.5	.95	80.2	82.0	SW	0.2	00·9				
7 „	.730	.772	81.2	79.3	1.9	78.6	.92	82.2	82.1	WSW	0.2	00·2				
8 „	.741	.758	84.0	80.6	3.4	79.4	.87	84.1	82.5	„	0.2					
9 „	.750	.726	85.0	81.8	3.2	80.7	.87	85.5	82.9	„	0.2					
10 „	.748	.718	86.0	82.2	3.8	80.9	.85	86.2	83.2	W b S	0.2					
11 „	.735	.722	87.4	82.6	4.8	81.0	.82	87.2	83.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌒⌇ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌇ nimbi.	
6	H	⌇⌇ scattered throughout, except about zth. where ⌇ are vissible, the motion of ⌇⌇ was NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°9 and 85°0. Daily fall of rain by Osler's Gauge 0.21in. Maximum Tension of Electricity by Henly's Apparatus 7. Maximum length of Spark by Ronald's Measure 0.07in.
4	B	⌇⌇ scattered about, moving, ENE; ⌇ about.	
6	B	⌇⌇ and ⌇ scattered throughout, former moving ENE.	
5	B	⌇⌇ scattered about, moving ENE; ⌇ and ⌇⌇ lying in S; a passing shower of rain at 3h. 29m.	
8	B	Overcast with ⌇⌇, moving ENE.	
7	C	⌇⌇ and ⌇ scattered throughout.	
3	C	⌇⌇ and ⌇ scattered about, former moving NE; a few patches of ⌇⌇ above W hor.	
6	C	⌇⌇ scattered throughout; ⌇ in S; ⌇⌇ in W.	
5	C	⌇⌇ scattered about; ⌇ above SE, S, and SW hor.	
6	H	⌇⌇ scattered throughout; a few ⌇ in S above hor.	
6	H	⌇⌇ scattered throughout.	
5	H	⌇⌇ scattered about hor.; ⌇ in SE, S, and SW above hor.; ⌇⌇ in N above hor.	
7	H	⌇⌇ scattered throughout; light rain from 12h. 7m. to 12h. 17m.	
7	B	Densely clouded with ⌇⌇; patches of ⌇⌇ in S, moving SW.	
8	B	Overcast with ⌇⌇, moving ENE; a break in S.	
8	B	Overcast with ⌇⌇, moving ENE.	
8	B	Overcast with ⌇⌇, moving E; drizzling rain at 4h. 31m.	
8	C	Overcast; drops of rain from 5h. 32m. to 5h. 49m.	
8	C	Overcast with ⌇⌇, moving ENE; a break in W; a rainbow in E.	
6	C	⌇⌇ scattered throughout, except in zth. about which ⌇⌇ in roundish masses were discernable.	
8	C	Overcast with ⌇⌇ and ⌇⌇, former moving ENE; a passing shower of rain at 8h. 54m.	
8	H	Overcast with ⌇⌇, moving NE; rain from 9h. 7m. to 9h. 20m.	
8	H	Overcast; a single star visible in NE about zth.; lightning and thunder were but once noticed at 10h. 25m.	
8	H	Overcast; light rain at 11h. 24m. and from 11h. 33m. to 11h. 55m.	
8	H	Overcast with ⌇⌇, moving NE; drizzling rain from 0h. to 0h. 12m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°9 and 85°9. Daily fall of rain by Osler's Gauge 0.58in.
8	B	Overcast with ⌇⌇, moving ENE; a shower of rain from 1h. 2m. to 1h. 4m.; a passing shower of rain at 1h. 44m.	
6	B	⌇⌇ scattered throughout, moving ENE.	
4	B	⌇⌇ scattered about; light ⌇ about zth.; a few drops of rain at 5h. 25m.	
8	B	Overcast; drizzling rain from 4h. 39m. to 4h. 54m.	
8	C	Overcast; light rain from 5h. 2m. to 5h. 9m.	
8	C	Overcast; light rain from 6h. 26m. to 6h. 55m.	
8	C	Overcast; drizzling rain at 7h. 3m. which lasted 3m.	
8	C	Overcast with ⌇⌇, moving NE; rain commenced at 8h. 52m.	
8	H	Overcast; rain ceased at 9h. 9m.	
8	H	Overcast; no rain.	
8	H	" "	
8	H	Overcast; a break about zth.; drizzling rain from 12h. 53m. to 12h. 58m.	
8	B	Overcast.	
8	B	Overcast with ⌇⌇, moving ENE.	
8	B	" "	
8	B	Overcast with ⌇⌇, moving E.	
8	C	Overcast; rain commenced at 5h.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; rain ceased at 8h. 50m.	
8	H	Overcast; lightning in ENE at intervals of about 5m.; thunder was only twice heard in ENE.	
8	H	Overcast; no lightning or thunder.	
8	H	Overcast; a break above W hor.	
7	H	Densely clouded with ⌇⌇ and ⌇⌇, both moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°8 and 85°0. Daily fall of rain by Osler's Gauge 0.14in. The Temperature of Evaporation at 1 P. M. was greatest in the month, and about 2°9 greater than the Normal Mean.
7	B	Densely clouded with ⌇⌇ and ⌇⌇, former moving E.	
5	B	⌇⌇ about zth.; otherwise clouded with ⌇⌇, moving E; ⌇ above SE hor.; light rain from 2h. 38m. to 2h. 37m.	
3	B	⌇⌇ in hem.; ⌇⌇ scattered about hor., moving E.	
8	B	Overcast with ⌇⌇, moving E; drizzling rain from 4h. 5m. to 4h. 17m.	
8	C	Overcast; a break in E; raining.	
8	C	Overcast; a break in S and W; raining lightly.	
6	C	⌇⌇ scattered throughout, moving ENE; patches of ⌇⌇ in N, NE, and E above hor.	
3	C	Masses of ⌇⌇, moving ENE.	
4	H	Masses of ⌇⌇, moving ENE; a passing shower of rain at 9h. 8m.	
3	H	⌇⌇ around hor., moving ENE.	
7	H	Densely clouded with ⌇⌇.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 1st–Noon.	29.743	28.691	88°2	83°2	5°0	81°6	0.81	88°0	83°8	W b W	0.2					
1 p. m.	.730	.668	88.6	83.5	5.1	81.9	.81	88.4	84.1	„	0.4					
2 „	.720	.654	87.8	83.4	4.4	82.0	.83	88.4	84.3	„	0.2					
3 „	.712	.686	88.5	82.7	5.8	80.8	.79	88.7	84.4	W	0.2					
4 „	.706	.706	88.4	82.1	6.3	80.0	.78	88.6	84.5	„	0.2					
5 „	.707	.724	86.4	81.2	5.2	79.4	.80	86.2	84.5	W b S	0.1					
6 „	.714	.761	84.3	80.0	4.3	78.4	.83	84.3	84.4	„	0.1		None.	None.	None.	None.
7 „	.723	.785	83.0	79.3	3.7	77.7	.85	83.7	84.0	„	0.1					
8 „	.730	.802	82.8	79.0	3.8	77.6	.85	83.5	84.0	„	0.2					
9 „	.732	.668	81.5	79.5	2.0	78.8	.92	82.4	84.0	W b N	0.2					
10 „	.734	.766	81.9	79.7	2.2	78.9	.91	82.7	83.9	W b S	0.2					
11 „	.732	.765	81.6	79.6	2.0	78.9	.92	82.2	83.8	„	0.2	0·03				
July 2nd–Midnight	.718	.730	81.2	88.0	1.2	79.6	.95	82.2	83.5	W	0.2	0·03	+	2		Above 10m.
1 a. m.	.714	.770	81.0	78.9	2.1	78.1	.91	82.2	83.4	„	0.4		+	3		3·51
2 „	.694	.750	81.0	78.9	2.1	78.1	.91	82.2	83.3	„	0.3		+	4		Above 10m.
3 „	.686	.747	81.1	78.8	2.3	78.0	.90	82.3	83.2	„	0.2		+	1		Above 10m.
4 „	.684	.751	80.9	78.6	2.3	77.8	.91	81.7	83.1	WNW	0.3					
5 „	.690	.771	80.6	78.2	2.4	77.3	.90	81.7	83.0	„	0.2					
6 „	.710	.762	81.0	79.0	2.0	78.3	.92	82.1	83.0	W	0.2					
7 „	.719	.781	83.0	79.3	3.7	77.9	.85	83.3	85.0	W b N	0.1					
8 „	.735	.759	85.0	80.7	4.3	79.2	.83	85.2	83.4	W	0.2					
9 „	.746	.770	86.2	81.0	5.2	79.2	.80	86.2	83.6	W b S	0.2					
10 „	.742	.783	84.2	80.1	4.1	78.6	.84	83.5	83.8	SW b S	0.1	0·14			None.	
11 „	.744	.819	85.0	79.5	5.5	77.5	.79	84.2	83.8	NW	0.5	0·02				
Noon.	.734	.751	82.8	80.3	2.5	79.4	.90	84.0	83.5	W b S	0.2	0·04				
1 p. m.	.728	.701	87.6	82.5	5.1	80.8	.81	94.7	84.0	W	0.0					
2 „	.721	.654	88.1	83.5	4.6	82.0	.83	88.8	84.3	W b S	0.2					
3 „	.709	.646	88.5	83.5	5.0	81.9	.81	89.1	84.6	„	0.2					
4 „	.695	.684	87.0	82.0	5.0	80.3	.81	87.2	84.6	WNW	0.2					
5 „	.684	.709	85.9	80.9	5.0	79.2	.81	86.1	84.7	„	0.1					
6 „	.689	.734	84.2	80.0	4.2	78.5	.84	84.6	84.5	W b N	0.1					
7 „	.699	.733	83.2	80.0	3.2	78.9	.87	84.2	84.3	W b S	0.1					
8 „	.720	.783	82.4	79.1	3.3	77.9	.87	83.4	84.0	„	0.2					
9 „	.720	.794	81.9	78.7	3.2	77.5	.87	83.0	84.0	„	0.2					
10 „	.720	.783	82.0	79.0	3.0	77.9	.88	83.0	83.9	„	0.1					
11 „	.704	.727	82.2	80.0	2.2	79.2	.91	83.0	83.9	„	0.2					
July 3rd–Midnight	.682	.722	81.4	79.4	2.0	78.7	.92	82.6	83.7	W	0.2					
1 a. m.	.672	.724	81.7	79.2	2.5	78.3	.90	82.9	83.6	W b S	0.1					
2 „	.662	.717	81.6	79.1	2.5	78.2	.90	82.8	83.5	W S W	0.2					
3 „	.659	.692	81.6	79.6	2.0	78.9	.92	82.8	83.4	„	0.0					
4 „	.665	.731	81.5	78.8	2.7	77.8	.89	82.8	83.4	„	0.2					
5 „	.677	.737	81.0	78.8	2.2	78.0	.91	82.2	83.3	„	0.2		+	1		Above 10m.
6 „	.698	.758	81.0	78.8	2.2	78.0	.91	82.1	83.3	„	0.1					
7 „	.711	.768	82.4	79.3	3.1	78.2	.87	83.2	83.3	„	0.1					
8 „	.720	.731	85.0	81.0	4.0	79.6	.84	85.1	83.5	„	0.1					
9 „	.725	.747	86.0	81.0	5.0	79.3	.81	86.2	83.8	W b S	0.2					
11 „	.725	.751	86.4	81.0	5.4	79.1	.80	86.2	84.0	„	0.2					
10 „	.717	.679	87.8	82.8	5.0	81.1	.81	87.7	84.3	„	0.2					
Noon.	.707	.707	88.8	82.2	6.6	80.0	.76	89.0	84.5	„	0.2	None.			None.	
1 p. m.	.695	.699	88.3	81.9	6.4	79.8	.77	88.7	84.7	W S W	0.2					
2 „	.682	.695	89.2	82.0	7.2	79.5	.74	89.2	85.0	„	0.2					
3 „	.671	.685	89.3	82.0	7.3	79.5	.74	89.2	85.2	„	0.2					
4 „	.654	.630	87.9	82.5	5.4	80.7	.80	87.7	85.2	„	0.2					
5 „	.660	.645	85.8	81.8	4.0	80.4	.84	86.2	85.0	„	0.2					
6 „	.665	.677	84.3	80.8	3.5	79.6	.86	85.0	84.9	„	0.2					
7 „	.677	.718	83.4	79.9	3.5	78.6	.86	84.2	84.7	„	0.2					
8 „	.691	.723	83.0	80.0	3.0	78.9	.88	84.1	84.5	SW b W	0.1					
9 „	.700	.734	82.8	79.9	2.9	78.9	.88	83.7	84.4	W S W	0.1					
10 „	.718	.746	82.6	80.0	2.6	79.1	.90	83.4	84.2	„	0.3					
11 „	.708	.869	82.2	79.1	3.1	78.0	.87	83.0	84.2	„	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
3	H	Masses of passing ENE.	
5	B	scattered about, moving E; in NNW and zth.	
6	B	scattered throughout; above NW hor.; patches of in SW and W above hor.	
2	B	around hor.; in N, E, and SW above hor.; a few above N hor.	
2	B	around hor.; a few in S hor.; a few patches of in S of zth.	
3	C	around hor.; above WSW hor.; scattered about.	
3	C	around hor., S, and W, moving ENE; a few in W about zth.	
4	C	around hor.; scattered about.	
2	C	around hor.; in E; a few drops of rain at 8h. 29m. and 8h. 49m.	
3	H	scattered about hor., moving NE.	
1	H	around hor.; a smart shower of rain at 10h. 54m. which lasted about 4m.	
4	H	scattered about; light rain from 11h. 39m. to 11h. 44m.; a passing shower of rain at 11h. 55m.	
6	H	scattered throughout, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 85°0. Daily fall of rain by Osler's Gauge 0.18in. the Temperature of calculated Dew-point at 2 P. M. was greatest in the month.
3	B	scattered in NE hem. and around hor., moving E.	
4	B	scattered about, moving ENE; drops of rain at 2h. 56m.	
6	B	scattered throughout, moving E.	
4	B	scattered about; a few above SW hor.	
3	C	scattered in E, S, and around hor., moving ENE.	
3	C	scattered around hor. and in E; and about zth.	
4	C	scattered about hor., moving E; and about zth.	
4	C	around hor.; scattered about.	
2	H	scattered around hor.; light rain from 9h. 46m. to 9h. 58m.	
8	H	Overcast with , moving E; a break in W; light rain at 10h. 40m. which lasted 10m.	
7	H	Densely clouded with ; light rain from 11h. 17m. to 11h. 25m.	
7	H	Densely clouded with , moving E.	
6	B	scattered throughout; above SW hor.; in NNE.	
6	B	scattered throughout; in SW; in S, SW, and W hor.	
5	B	scattered throughout; in S hem.; drizzling rain from 3h. 41m. to 3h. 43m.	
6	B	scattered throughout; about zth.; above N hor.	
6	C	and scattered throughout.	
6	C	and scattered throughout, former moving NE; a rainbow in E observed at 5h. 45m.	
2	C	around hor., moving ENE; scattered about.	
2	C	scattered about hor., moving ENE.	
1	H	Clouded about hor., otherwise clear.	
3	H	scattered about hor., moving NE.	
7	H	Densely clouded with , moving NE; a few drops of rain at 11h. 55m.	
7	H	scattered throughout, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°7 and 85°0.
3	B	Masses of , moving E; a few in E.	
3	B	Masses of , moving E.	
8	B	Overcast with ; a break in zth.; a few drops of rain at 3h. 7m.	
5	B	scattered about, moving E; a few drops of rain at 4h. 37m.	
3	C	scattered about hor., moving E; a few patches of in S.	
3	C	scattered about hor.; and in E hem.	
5	C	around hor., moving ENE; scattered about.	
2	C	around hor.; and scattered about.	
2	H	around hor.; a few drops of rain at 9h. 36m. and 9h. 40m.	
7	H	Densely clouded with , moving E; a few drops of rain at 10h. 22m.	
2	H	around hor.; dense in E hem., moving W.	
7	H	around hor.; scattered throughout; a few in W.	
4	B	and scattered about, former moving E.	
3	B	around hor.; in W; scattered about.	
4	B	around hor.; and scattered about.	
6	B	scattered about, moving ENE; in N, NE, and E; light shower of rain from 4h. 19m. to 4h. 22m.	
7	C	and scattered about; in SSE.	
7	C	around hor.; and scattered throughout.	
7	C	Densely clouded with and , former moving ENE.	
6	C	scattered throughout; a few drops of rain at 8h. 6m.	
3	C	scattered about hor., moving ENE.	
3	C	scattered about hor, moving E.	
2	C	" "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 5th-Midnight	29.688	28.753	82°2	79°0	3°2	77°8	0.87	83°1	84°0	S W	0 to 1					
1 a. m.	.670	.720	81·6	79.2	2.4	78.3	.90	82.6	84.0	W S W	0 to 1⅛					
2 „	.652	.692	81·4	79.4	2.0	78.7	.92	82.2	84.0	„	0 to 1	0.02				
3 „	.645	.680	81.8	79.6	2.2	78.8	.91	82.8	83.9	„	0 to ¾					
4 „	.645	.706	81.8	79.0	2.8	78.0	.89	82.7	83.8	„	0 to 1					
5 „	.651	.710	81.6	79.0	2.6	78.0	.89	82.8	83.6	„	0.1					
6 „	.668	.717	81.8	79.3	2.5	78.4	.90	82.9	83.6	„	0.2					
7 „	.683	.738	83.2	79.5	3.7	78.2	.85	84.7	83.5	„	0.2					
8 „	.702	.732	84.0	80.3	3.7	79.0	.86	85.7	83.8	„	0.1					
9 „	.720	.742	86.0	81.0	5.0	79.3	.81	87.0	84.3	W b S	0.1					
10 „	.717	.747	86.7	81.0	5.7	79.0	.79	87.0	84.5	„	0.1					
11 „	.713	.736	88.5	81.6	6.9	79.2	.75	88.9	84.8	„	0.3					
Noon.	.701	.720	89.7	82.0	7.7	79.4	.73	89.3	85.0	„	0.2		None.	None.	None.	None.
1 p. m.	.687	.660	89.3	82.9	6.4	80.8	.77	89.5	85.2	W	0.2					
2 „	.675	.652	89.6	82.9	6.7	80.7	.76	89.9	85.4	„	0.2					
3 „	.664	.675	89.0	82.0	7.0	79.6	.75	89.2	85.5	„	0.3					
4 „	.648	.653	88.1	81.9	6.2	79.8	.77	88.4	85.5	„	0.4					
5 „	.645	.677	86.2	80.8	5.4	78.9	.80	86.7	85.4	W S W	0.2					
6 „	.649	.657	84.7	81.0	3.7	79.7	.86	85.4	85.2	„	0.2					
7 „	.659	.695	83.7	80.1	3.6	78.8	.86	84.6	85.0	W	0.3					
8 „	.670	.696	83.2	80.2	3.0	79.4	.88	84.2	84.8	„	0.6					
9 „	.681	.729	82.6	79.5	3.1	78.4	.88	83.6	84.6	„	0.5					
10 „	.682	.726	82.6	79.6	3.0	78.5	.88	83.6	84.6	„	0 to 2½					
11 „	.686	.801	80.0	77.2	2.8	76.1	.88	81.5	84.2	„	0 to 2½					
July 6th-Midnight	.673	.756	80·0	78.0	2.0	77.2	.92	81.6	84.0	WNW	0.2	0.02				
1 a. m.	.644	.713	80.7	78.5	2.2	77.7	.91	82.0	84.0	W	0.2					
2 „	.631	.665	81.3	79.5	1.8	78.9	.93	82.4	83.8	WNW	0.3					
3 „	.629	.721	80.8	78.0	2.8	76.9	.89	81.7	83.7	W	0 to 1½					
4 „	.631	.714	80.0	78.0	2.0	77.2	.92	81.4	83.5	WSW	0.3					
5 „	.631	.715	80.8	78.2	2.6	77.2	.89	82.1	83.4	WNW	0.2	0.02				
6 „	.652	.736	81.2	78.3	2.9	77.2	.88	82.5	83.4	„	0.2					
7 „	.668	.739	82.7	79.0	3.7	77.6	.86	84.4	83.8	„	0.3					
8 „	.670	.718	85.2	80.2	5.0	78.4	.81	86.5	83.8	„	0.2					
9 „	.680	.671	86.0	81.7	4.3	80.2	.84	87.0	84.1	WSW	0.3					
10 „	.677	.676	87.9	82.0	5.9	80.0	.78	88.1	84.5	WNW	0.2					
11 „	.669	.755	86.0	79.5	6.5	77.1	.76	86.1	84.5	W b N	0.2		None.	None.	None.	None.
Noon.	.656	.691	86.8	80.9	5.9	78.8	.78	86.9	84.7	„	0.1					
1 p. m.	.642	.625	89.3	82.7	6.6	80.5	.76	89.4	85.0	W	0.3					
2 „	.631	.635	89.2	82.2	7.0	79.8	.75	89.2	85.2	W b S	0.2					
3 „	.612	.581	89.3	83.0	6.3	80.9	.77	89.4	85.3	„	0.3					
4 „	.605	.644	86.8	80.8	6.0	78.7	.78	86.8	85.3	„	0.4					
5 „	.609	.621	85.1	81.0	4.1	79.6	.84	85.8	85.1	„	0.1	0.03				
6 „	.614	.662	84.1	79.9	4.2	78.4	.84	85.1	84.9	W	0.3					
7 „	.625	.690	83.3	79.3	4.0	77.8	.84	84.4	84.7	W b N	0.2					
8 „	.641	.711	82.6	79.0	3.6	77.7	.86	83.7	84.6	WSW	0.0					
9 „	.650	.681	81.8	79.7	2.1	79.0	.91	82.9	84.4	WNW	0.0	0·02				
10 „	.660	.623	82.0	79.0	3.0	77.9	.88	83.1	84.2	W	0.1					
11 „	.656	.687	81.8	79.7	2.1	79.0	.91	83.0	84.1	W b S	0.2					
July 7th-Midnight	.642	.669	81.9	79.2	2.7	79.1	.89	83.1	84.0	W	0.0					
1 a. m.	.622	.640	81.0	79.8	1.2	79.4	.95	82.2	84.0	W b N	0.2	0·06	+	1		Above 10m.
2 „	.605	.657	81.0	79.0	2.0	78.3	.92	82.2	83.9	„	0.0					
3 „	.587	.633	81.2	79.2	2.0	78.5	.92	82.2	83.8	WNW	0.1					
4 „	.580	.616	81.0	79.4	1.6	78.8	.93	82.1	83.6	„	0.1					
5 „	.590	.609	81.4	79.9	1.5	79.4	.94	82.7	83.6	„	0.3					
6 „	.602	.638	81.9	79.6	2.3	78.8	.91	83.0	83.5	„	0.3					
7 „	.623	.665	82.4	79.6	2.8	78.6	.89	83.5	83.5	NWbW	0.3			None.		
8 „	.640	.663	83.4	80.3	3.1	79.2	.88	84.2	83.6	„	0.2					
9 „	.646	.659	84.0	80.7	3.3	79.5	.87	84.7	83.8	„	0.2					
10 „	.654	.657	84.3	81.0	3.3	79.9	.87	84.9	84.0	„	0.1					
11 „	.647	.736	80.5	78.0	2.5	77.0	.90	79.1	83.7	NE	0.1	0.09				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
4	C	≀≀ scattered about, moving ENE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°8 and 85°0. Daily fall of rain by Osler's Gauge 0.02; the Temperature of External and Free Air at noon was 89°7 greatest in the month, and about 4°4 greater than the Normal Mean.
7	H	Densely clouded with ≀≀; showers of rain at 1h. 34m. and 1h. 37m.	
7	H	Densely clouded with ≀≀.	
7	H	Densely clouded; a few drops of rain at full hour.	
6	H	≀≀ scattered about.	
4	B	≀≀ scattered about; ≀≀ in S hem.; ≀ above N and S hor.	
3	B	≀≀ around hor.; ≀ above NW hor.; ≀≀ scattered about.	
6	B	≀≀ scattered about, moving E; ≀ above SW hor., ≀≀ about zth.; drizzling rain at 7h. 32m.	
6	B	≀≀ and ≀≀ scattered about, latter moving ENE; ≀ in N of zth.	
7	C	≀≀ and ≀≀ scattered about; ≀ in W of zth.	
7	C	≀≀, ≀≀, and ≀ scattered throughout.	
6	C	≀≀ and ≀≀ scattered about; ≀ around hor.	
5	C	≀≀ and ≀≀ scattered about; ≀ above NE hor.	
6	H	≀≀ scattered throughout; ≀≀ in W of zth.	
5	H	≀≀ scattered about; ≀≀ in NW, SE, and S hor.	
6	H	≀≀ and ≀≀ scattered throughout.	
6	H	≀≀ around hor.; ≀≀ scattered throughout.	
5	B	≀≀ and ≀≀ scattered about, former moving E.	
4	B	" "	
6	B	≀≀ scattered throughout; ≀≀ in SW above hor.	
3	B	≀≀ scattered about hor., moving E.	
4	C	≀≀ scattered about.	
3	C	≀≀ scattered in S and around hor.; light rain at 10h. 36m. which lasted 4m.	
6	C	≀≀ scattered throughout; showers of rain at 11h. 36m. which lasted 7m.	
3	C	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 85°0. Daily fall of rain by Osler's Gauge 0.09in.
7	H	Densely clouded with ≀≀.	
5	H	≀≀ scattered about.	
8	H	Overcast with ≀≀; drizzling rain between 3h. 17m. and 3h. 34m.	
8	H	Overcast with ≀≀, moving NE; a break about zth.; light rain from 4h. 9m. to 4h. 22m.	
7	B	≀≀ scattered throughout, moving E.	
3	B	≀≀ scattered about; ≀ in SE; ≀≀ in SW; light rain from 6h. 52m. to 6h. 55m.	
4	B	≀≀ scattered about; ≀≀ above W hor.	
3	B	≀≀ scattered about, ≀ above N hor.	
6	C	≀≀ scattered throughout, moving NE; ≀ about zth.	
5	C	≀≀ scattered about, moving ENE; ≀ lying here and there; drops of rain between 10h. 11m. & 10h. 23m.	
7	C	≀≀ scattered throughout; ≀≀ in NE; light drizzle at 11h. 55m.	
8	C	Overcast with ≀≀, moving E; breaks in NE and SW.	
5	H	≀≀ scattered about, moving ENE; ≀≀ in SE.	
6	H	≀≀ scattered throughout.	
3	H	≀≀ scattered about hor.	
7	H	≀≀ scattered throughout; light rain from 4h. 5m. to 4h. 17m.	
3	B	Masses of ≀≀, moving ENE; patches of ≀≀ above SW and E hor.	
2	B	Masses of ≀≀ around hor.; ≀ above ESE hor.	
3	B	Masses of ≀≀ scattered about, moving E; ≀ above N, NW, and W hor.	
3	B	Masses of ≀≀ passing E; rain commenced at 8h. 6m. and ceased at 8h. 20m.	
2	C	Masses of ≀≀ around hor., NE, and SE, their motion was ENE.	
3	C	Masses of ≀≀, moving ENE.	
3	C	" "	
2	C	≀≀ scattered about hor. and in SE; light rain from 0h. 22m. to 0h. 30m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 84°0 and 85°0. Daily fall of rain by Osler's Gauge 1.55in. Maximum Tension of Electricity by Henly's Apparatus 11; Maximum length of Spark by Ronald's Measure 0.13in.
3	H	≀≀ scattered around hor. and in S hem.	
2	H	≀≀ scattered about hor.; faint flashes of lightning in SE hor. at intervals of 3m.	
3	H	≀≀ scattered about hor.; faint lightning in SE hor. every 3m. light shower of rain at 3h. 24m.	
2	H	≀≀ scattered about hor., moving E; lightning in SE hor. every 5m.	
8	B	Overcast with ≀≀; shower of rain at 5h. 15m. which lasted 4m.	
7	B	≀≀ and ≀ scattered throughout, former moving E.	
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast with ≀≀, moving SE.	
8	C	Overcast with ≀≀, moving ESE; a break above S hor.	
8	C	Overcast with ≀≀, moving SE; rain commenced at 10h. 58m.	
8	C	Overcast with ≀≀, moving S; raining.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 7th-Noon.	29.640	28.742	78°5	77°1	1°4	76°6	0.94	78°3	83°2	NE	0.1	0.31	+	1		0.50
1 p. m.	.620	.674	78.2	77.5	0.7	78.2	.97	78.9	83.0	N E b E	0.2	0.30	—	Out of Sc.	Out of Sc.	Instantly.
2 „	.612	.677	78.4	78.0	0.4	77.8	.98	79.5	82.7	„	0.1	0.18	—	Out of Sc.	50	0.09
3 „	.595	.676	79.1	77.8	1.3	77.3	.95	80.1	82.7	W	0.2	0.39	+	4		Above 10m.
4 „	.583	.675	79.0	77.5	1.5	76.9	.94	79.5	82.7	WNW	0.4	0.07				Above 10m.
5 „	.579	.611	79.2	79.0	0.2	78.9	1.00	80.6	82.5	NNW	0.2	0.14	+	1		Above 10m.
6 „	.589	.605	80.8	79.8	1.0	79.4	0.96	81.7	82.6	WNW	0.2	0.03	+	3		Above 10m.
7 „	.592	.611	81.1	79.8	1.3	79.3	.95	82.1	82.7	W	0.2	0.01	+	1		Above 10m.
8 „	.604	.623	81.1	79.8	1.3	77.3	.95	82.2	82.7	W b S	0.1		+	2		Above 10m.
9 „	.622	.635	81.3	80.0	1.3	79.5	.95	82.2	82.8	W	0.1					
10 „	.630	.664	81.3	79.5	1.8	78.9	.93	82.2	82.8	„	0.1		+	1		Above 10m.
11 „	.630	.671	80.0	79.0	1.0	78.6	.96	81.0	82.7	NW	0.0		+	1		Above 10m.
July 8th-Midnight	.614	.647	79.3	79.0	0.3	78.9	0.99	80.2	82.6	NE	0.2		+	2		Above 10m.
1 a. m.	.590	.628	79.0	78.8	0.2	78.7	.99	80.2	82.5	E	0.2		+	2		Above 10m.
2 „	.574	.610	78.8	78.8	0.0	78.8	1.00	80.2	82.5	E b S	0.2		+	3		Above 10m.
3 „	.566	.617	78.6	78.4	0.2	78.3	0.99	80.0	82.3	WNW	0.1		+	6		Above 10m.
4 „	.563	.641	77.9	77.4	0.0	77.4	.00	78.5	82.0	NNW	0.1	0.16	+	1		Above 10m.
5 „	.568	.682	77.0	76.4	0.6	76.1	.97	78.5	81.9	N b E	0.1		+	1		Above 10m.
6 „	.589	.679	77.7	77.2	0.5	77.0	.97	79.0	81.7	„	0.0					
7 „	.606	.685	78.7	77.6	1.1	77.4	.95	79.7	81.7	„	0.0		+	1		Above 10m.
8 „	.621	.676	78.9	78.4	0.5	78.2	.98	80.1	81.8	NNE	0.0					
9 „	.625	.664	79.8	79.0	0.8	78.7	.96	80.1	82.0	„	0.0					
10 „	.622	.628	83.0	80.6	2.7	79.8	.90	83.8	82.4	NE	0.1					
11 „	.607	.619	84.2	81.0	3.2	79.9	.87	84.2	82.6	ENE	0.1					
Noon.	.598	.606	84.7	81.0	3.7	79.7	.86	84.6	82.8	W	0.0					
1 p. m.	.568	.562	85.5	81.5	4.0	80.1	.85	85.6	83.1	„	0.1		+	5		
2 „	.549	.519	84.4	81.8	2.6	80.9	.90	85.1	83.1	NW b W	0.2		+	2		
3 „	.525	.546	82.7	80.2	2.5	79.3	.90	83.2	83.0	WNW	0.3		+	3		
4 „	.521	.566	80.4	79.0	1.4	78.5	.94	81.2	82.9	„	0.3	0.04	+	1		
5 „	.509	.571	78.8	78.2	0.6	77.9	.97	79.6	82.5	„	0.4	0.17				
6 „	.539	.647	78.6	77.5	1.1	76.7	.95	79.6	82.4	„	0.3					
7 „	.566	.640	78.4	77.8	0.6	77.5	.98	79.6	82.3	„	0.2	0.07	—	Out of Sc.	100	Instantly.
8 „	.572	.635	78.9	78.2	0.7	77.9	.97	79.9	82.3	NW	0.3	0.08	—	Out of Sc.	Out of Sc.	Instantly.
9 „	.579	.632	78.8	78.4	0.4	78.2	.98	79.8	82.2	„	0.1	0.15				
10 „	.590	.643	78.8	78.4	0.4	78.2	.98	79.8	82.0	NW b N	0.1	0.04	+	2		Above 10m.
11 „	.586	.632	79.0	78.6	0.4	78.5	.98	80.0	82.0	„	0.0	0.02	+	1		Above 10m.
July 9th-Midnight	.576	.606	79.0	79.0	0.0	79.0	1.00	80.0	82.0	NW b N	0.0	0.01				
1 a. m.	.535	.565	79.0	79.0	0.0	79.0	.00	80.2	82.0	„	0.0	0.06				
2 „	.529	.578	78.4	78.4	0.0	78.4	.00	79.5	82.0	N b E	0.0	0.06				
3 „	.526	.585	78.2	78.1	0.1	78.0	.00	79.5	81.9	„	0.0					
4 „	.517	.572	88.2	78.2	0.0	78.2	.00	79.5	81.8	„	0.0					
5 „	.530	.597	78.5	78.0	0.5	77.8	0.98	79.6	81.7	„	0.0					
6 „	.536	.597	78.0	78.0	0.0	78.0	1.00	79.2	81.5	„	0.0	0.03				
7 „	.552	.594	78.6	78.6	0.0	78.6	.00	79.8	81.5	NNW	0.0					
8 „	.564	.570	79.9	79.8	0.1	79.8	.00	81.3	81.6	„	0.0					
9 „	.576	.583	80.7	80.0	0.7	79.7	0.97	81.3	81.9	SS E	0.2					
10 „	.583	.590	80.7	80.0	0.7	79.7	.97	81.0	81.9	S b E	0.1	0.01				
11 „	.582	.557	81.7	81.0	0.7	80.7	.97	82.2	82.0	SSE	0.2					
Noon.	.562	.539	83.5	81.4	2.1	80.7	.91	83.5	82.4	„	0.2					
1 p. m.	.541	.508	85.0	82.0	3.0	81.0	.88	85.2	82.8	W	0.1		+	2	45	Above 10m.
2 „	.521	.494	85.5	82.0	3.5	80.8	.86	85.5	82.9	W b N	0.1					
3 „	.506	.484	86.8	82.2	4.6	80.6	.83	86.5	83.2	WNW	0.1					
4 „	.502	.519	82.4	80.2	2.2	79.4	.91	82.9	83.0	W b S	0.0		+	Out of Sc.		0.03
5 „	.497	.514	80.9	79.8	1.1	79.4	.95	82.2	82.8	WSW	0.2		+	5		2.55
6 „	.522	.527	80.5	80.0	0.5	79.8	.98	81.7	82.7	SSE	0.2	0.06	+	3		Above 10m.
7 „	.540	.575	79.8	79.1	0.7	78.8	.97	80.7	82.6	WSW	0.0	0.09	+	5		4.33
8 „	.544	.611	78.9	78.1	0.8	77.8	.97	79.7	82.5	SSE	0.0	0.18	+	3		Above 10m.
9 „	.560	.588	78.8	79.0	0.2	79.1	.00	79.8	82.3	W	0.3	0.19				
10 „	.600	.657	77.6	78.0	0.4	78.1	.00	78.8	82.0	SSE	1 to 5½	1.50				
11 „	.600	.684	77.6	77.3	0.3	77.3	.99	78.2	81.9	„	0.1	0.41	+	2		0.17

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
8	C	Overcast with ≀≀, moving E; raining.	
8	H	Overcast; raining.	
8	H	" "	
8	H	" "	
8	H	Overcast; rain ceased at 4h. 33m. but recommenced at 4h. 37m. which lasted 17m.	
8	B	Overcast; showers of rain at 5h. 5m. and at 5h. 37m. which lasted respectively 21m. and 7m.	
8	B	Overcast with ≀≀, moving ENE; a shower of rain at 6h. 18m. which lasted 4m.	
7	B	≀≀ and ≀ scattered throughout, former moving E.	
3	B	≀≀ scattered about hor., moving SE.	
3	C	≀≀ scattered about hor. and in SE.	
5	C	≀≀ scattered about, moving ESE.	
8	C	Overcast with ≀≀, moving E.	
7	C	Densely clouded with ≀≀, moving ESE; lightning in SE observed at 0h. 37m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°9 and 85°0. Maximum Tension of Electricity by Henly's Apparatus 16; Maximum length of Spark by Ronald's Measure 0.18in.
4	H	≀≀ scattered about, moving E.	
6	H	≀≀ scattered throughout; light rain between 2h. 12m. and 2h. 24m.	
8	H	Overcast; rain commenced at 3h. 17m.	
8	H	Overcast; rain ceased at 4h. 17m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≀≀, moving ESE.	
8	B	Overcast with ≀≀, moving E; a few drops of rain at 7h. 12m.	
8	B	Overcast with ≀≀, moving S.	
8	C	Overcast with ≀≀, moving SSE.	
7	C	Densely clouded with ≀≀, ≀, and ≀≀, former moving S.	
6	C	≀≀ scattered about, moving S; ≀ and ≀≀ in E hem.	
6	C	≀≀ scattered throughout, moving ESE; a few patches of ≀≀ above S hor.	
7	H	Densely clouded with ≀≀; drizzling rain between 1h. 17m. and 1h. 29m.	
7	H	≀≀ scattered throughout, moving ESE.	
8	H	Overcast with ≀≀, moving E; drizzling rain at 3h. 7m. which lasted 10m. but recommenced at 3h. 56m.	
8	H	Overcast; raining.	
8	B	Overcast; rain ceased at 5h. 9m. and recommenced at 5h. 59m.	
8	B	Overcast; raining lightly; thunder in N.	
8	B	Overcast; raining; thunder and lightning in N.	
8	B	Overcast; raining; no thunder or lightning.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	" "	
8	C	Overcast; rain ceased at 0h. 15m. but recommenced at 0h. 25m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°8 and 85°0. Daily fall of rain by Osler's Gauge 2.54in.; the Reading of Barometer at 5 P. M. was lowest in the month, and about 0.150in. lower than the Normal Mean.
8	H	Overcast; raining.	
8	H	Overcast; rain ceased at 2h. 17m.	
8	H	Overcast; no rain.	
8	H	Overcast with ≀≀, moving E.	
8	B	Overcast; drizzling rain between 5h. 6m. and 5h. 45m.	
8	B	Overcast with ≀≀, moving NE; light rain between 6h. 25m. and 6h. 40m.	
8	B	Overcast with ≀≀, moving ESE.	
8	B	Overcast with ≀≀, moving E; a break in S.	
8	C	Overcast with ≀≀, moving WNW; drizzling rain commenced at 9h. 43m.	
8	C	Overcast; rain ceased at 10h. 25m.	
6	C	Overcast with ≀≀, moving N; breaks above S and W hor.	
6	C	∩≀ along E hor.; ≀≀ around hor.; ≀ and ≀≀ scattered throughout.	
5	H	∩≀ around hor.; ≀≀ scattred about.	
6	H	" " [menced at 3h 50m.	
8	H	∩ along E hor.; ≀≀ and ≀≀ scattered throughout, former moving N; thunder in NE and E; drizzling rain com-	
8	H	Overcast with ≀≀, moving N; thunder in E and SE; raining lightly.	
8	B	Overcast with ≀≀, moving NE; thunder in SE; rain ceased at 5h. 44m.	
8	B	Overcast with ≀≀, moving NNE; hazy around hor.; rain at 6h. 18m. which ceased at 6h. 21m. but recommenced at 6h. 53m.	
8	B	Overcast with ≀≀, moving N; rain ceased at 7h. 21m. but recommenced at 7h. 52m.	
8	B	Overcast; raining; lightining in NE.	
8	C	Overcast; raining; lightining and thunder in NW at 9h. 37m.	
8	C	Overcast; raining; lightining and thunder in W.	
8	C	Overcast; raining; lightining in NW and W; thunder in W heard at 11h. 7m.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 10th-Midnight	29.586	28.661	77°5	77°5	0°0	77°5	1.00	78°4	81°8	SS W	0·0	0.14				
1 a. m.	.559	.637	77.4	77.4	0.0	77.4	.00	78.5	81.7	S	0·2	0·02				
2 „	.540	.632	77.2	77.0	0.2	76.9	0.99	78.5	81.5	„	0.2	0·01	+	1		Above 10m.
3 „	.548	.628	77.6	77.4	0.2	77.3	.99	78.6	81.5	„	0.5					
4 „	.548	.624	77.6	77.5	0.1	77.5	1.00	78.8	81.5	„	0.4					
5 „	.559	.643	78.3	77.5	0.8	77.2	0.97	79.4	81.4	S W	0.2					
6 „	.582	.666	78.3	77.5	0.8	77.2	.97	79.2	81.3	SW bW	0.2					
7 „	.599	.660	79.1	78.3	0.8	78.0	.97	80.2	81.3	„	0.3					
8 „	.613	.631	80.2	79.6	0.6	79.4	.98	81.4	81.4	„	0·3	·003				
9 „	.628	.641	81.6	80.1	1.5	79.5	.94	82.2	81.8	„	0·3					
10 „	.630	.588	82.2	81.5	0.7	81.3	.97	83.1	82.0	SS W	0.5	0·01				
11 „	.633	.626	83.6	81.0	2.6	80.2	.90	83.7	82.2	„	0·3				None.	
Noon.	.626	.653	80.7	79.5	1.2	79.1	.95	81.7	8.20	SW	0·3	0·04				
1 p. m.	.620	.626	80.6	80.0	0.6	79.8	.97	82.0	82.0	SSW	0.3	0·08	+	1		0.03
2 „	.604	.616	81.2	80.0	1.2	79.6	.95	82.2	82.2	SW b W	0·2	0.07	+	1		Above 10m.
3 „	.578	.624	81.9	79.4	2.5	78.5	.90	82.7	82.3	SW b S	0.4		+	1		Above 10m.
4 „	.574	.635	81.8	79.0	2.8	78.0	.89	82.5	82.4	SW	0·3					
5 „	.569	.634	80.3	78.5	1.8	77.8	.92	81.4	82.3	SSW	0·4					
6 „	.578	.632	79.5	78.5	1.0	78.2	.96	80.8	82.0	S b W	0·3	0.03				
7 „	.584	.672	79.7	77.8	1·9	77.1	.92	80.8	82.0	WSW	0 to 1¾					
8 „	.614	.679	78.4	78.0	0.4	77.8	.98	79.7	81.7	SW b W	0.3	0·02				
9 „	.632	.705	79.1	78.0	1.1	77.6	.95	80.4	81.7	SW	0.0					
10 „	.638	.728	78.5	77.4	1.1	77.0	.95	79.6	81.6	SW b S	0.5					
11 „	.626	.682	78.7	78.3	0.4	78.1	.98	80.2	81.6	SW b W	0.2	0.01				
July 12th-Midnight	.586	.655	79.8	78.3	1.5	77.7	.94	80.8	81.7	W S W	0.2					
1 a. m.	.572	.646	79.2	78.0	1.2	77.5	.95	80.9	81.9	SW b W	0.5	0·10				
2 „	.553	.676	78.2	76.5	1.7	75.8	.93	79.2	81.7	„	0.4					
3 „	.543	.594	79.0	78.5	0.5	78.3	.98	80.0	81.5	„	0.0	0.04				
4 „	.546	.633	78.6	77.5	1.1	77.1	.95	79.6	81.5	„	0.1					
5 „	.548	.592	79.5	78.8	0.7	78.5	.97	80.4	81.5	„	0.3		+	1		Above 10m.
6 „	.568	.629	79.5	78.4	1.1	78.0	.95	80.4	81.5	„	0.2					
7 „	.580	.623	80.2	79.0	1.2	78.6	.95	81.2	81.5	„	0.2					
8 „	.594	.617	81.4	79.8	1.6	79.2	.93	82.5	81.6	W S W	0.2					
9 „	.606	.646	81.9	79.5	2.4	78.7	.90	82.8	81.9	„	0.2					
10 „	.608	.628	83.3	80.6	2.7	79.3	.89	84.0	82.1	„	0.3					
11 „	.603	.578	85.7	82.0	3.7	80.7	.86	85.3	82.4	„	0.5					
Noon.	.602	.572	86.1	82.2	3.9	81.0	.85	86.0	82.7	„	0.3				None.	
1 p. m.	.590	.596	86.6	81.5	5.1	79.8	.81	86.2	83.0	W b S	0.4					
2 „	.580	.584	86.4	81.5	4.9	79.8	.81	86.2	83.0	W b N	0.2					
3 „	.560	.564	85.2	81.2	4.0	79.8	.84	85.5	83.0	WNW	0.1					
4 „	.545	.620	81.2	78.5	2.7	77.5	.89	81.6	83.0	W b N	0.2	0·01				
5 „	.551	.564	82.5	80.3	2.2	79.5	.91	83.4	82.8	W S W	0.1					
6 „	.566	.637	80.4	78.4	2.0	77.7	.92	81.1	82.7	W	0.1	0.03				
7 „	.580	.630	80.9	79.0	1.9	78.3	.92	81.8	82.6	W b S	0.2					
8 „	.598	.678	80.5	78.2	2.3	77.2	.91	81.4	82.6	„	0.2					
9 „	.518	.667	80.7	79.0	1.7	78.4	.93	81.8	82.5	W S W	0.1					
10 „	.626	.666	81.0	79.3	1.7	78.7	.93	82.0	82.5	„	0.1					
11 „	.622	.678	79.5	78.5	1.0	78.1	.96	80.2	82.3	W b N	0 to 3½	0·12	+	2		0·22
July 13th-Midnight	.596	.743	76.5	75.4	1.1	75.0	.95	77.2	81.8	W b S	0.4	0.83	—	Out of Sc.	Out of Sc.	Instantly.
1 a. m.	.592	.647	78.2	78.2	0.0	78.2	1.00	79.5	82.0	„	0.1	0·04	—	Out of Sc.	20	0·05
2 „	.573	.618	79.6	78.8	0.8	78.5	0.97	80.0	82.0	„	0.4	0.03	+	3		Above 10m.
3 „	.568	.609	80.0	79.0	1.0	78.6	.96	80.7	82.0	„	0.5					
4 „	.568	.609	80.0	79.0	1.0	78.6	.96	80.8	82.0	„	0.3					
5 „	.569	.606	79.6	79.0	0.6	78.8	.97	80.7	81.8	„	0.3					
6 „	.581	.657	79.4	78.0	1.4	77.5	.94	80.2	81.7	„	0 to 1½					
7 „	.600	.667	78.2	77.9	0.3	77.8	.99	79.4	81.6	SW	0.2	0.06				
8 „	.612	.679	78.6	78.0	0.6	77.8	.97	79.5	81.6	„	0 to 1¾	0.06				
9 „	.614	.645	79.1	79.0	0.1	79.0	1.00	80.1	81.5	WSW	0.2	0·28				
10 „	.608	.629	80.5	79.8	0.9	79.3	0.96	81.2	81.7	W b S	0 to 1	0·08				
11 „	.610	.647	80.4	79.2	1.2	78.8	.95	80.8	81.7	„	0 to 1	0·02				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
8	C	Overcast; raining; lightning in hor. from S to NW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°6 and 85°0. Daily fall of rain by Osler's Gauge 0.44in.
8	H	Overcast; raining; lightning in WNW every 3m.	
8	H	Overcast; lightning in WNW every 3m.; drizzling rain from 2h. 50m.	
8	H	Overcast; lightning in NW every 7m.; a few drops of rain at 4h. 32m.	
8	H	Overcast; lightning in NNW every 10m.	
8	B	Overcast with ≀≀, moving NNE; drizzling rain commenced at 5h. 57m.	
8	B	Overcast; rain ceased at 6h. 7m.	
8	B	Overcast with ≀≀, moving ENE; rain commenced at 7h. 10m. and ceased at 7h. 27m.	
8	B	Overcast with ≀≀, moving NNE; haze along E hor.	
8	C	Overcast; drops of rain between 9h. 40m. and 9h. 52m.	
8	C	Overcast with ≀≀ and ≀≀, former moving NNE.	
8	C	Overcast; a break in N; shower of rain at 11h. 25m. which lasted 7m.	
8	C	Overcast; rain at 12h. 1m. which lasted 18m. and recommenced at 12h. 30m.	
8	C	Overcast; raining lightly.	
8	H	Overcast; rain ceased at 2h. 14m.	
8	H	Overcast with ≀≀ and ≀≀, former moving NE.	
8	H	Overcast with ≀≀, moving NE.	
8	B	Overcast with ≀≀, moving NNE; rain commenced at 5h. 28m. and ceased at 5h. 40m.	
8	B	Overcast with ≀≀, moving NE.	
8	B	Overcast; light rain from 7h. 32m. to 7h. 53m.	
8	B	Overcast; continuous lightining in N hor.	
8	B	Overcast; lightning in N every minute; thunder in S heard at 9h. 51m.; a shower of rain at 9h. 51m. lasted 3m.	
8	B	Overcast; continuous lightning in N hor.; drizzling rain commenced at 10h. 19m. which ceased at 10h. 42m.	
8	B	Overcast with ≀≀, moving E; lightining in N at intervals of 1m. 44s.	
8	C	Overcast with ≀≀, moving E; rain commenced at 0h. 45m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 85°5 and 85°0. Daily fall of rain by Osler's Gauge 0.29in.
8	H	Overcast; raining rather lightly from 1h. 51m.	
8	H	Overcast; rain ceased at 2h. 7m. a passing shower of rain at 2h. 32m.	
4	H	Overcast; drizzling rain between 3h. 35m. and 3h. 56m.	
5	H	≀≀ scattered about, moving E.	
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast; a break in W.	
8	B	Overcast; a shower of rain at 7h. 27m. which lasted 3m.	
8	B	Overcast; a break in SSW; a few patches of ≀≀ above N hor.	
7	C	≀≀ and ≀≀ scattered throughout, former moving E.	
7	C	Clouded as at 9h. a. m.	
7	C	"	
7	C	"	
7	H	≀≀ and ≀≀ scattered throughout, former moving NE.	
8	H	Densely clouded with ≀≀ and ≀≀.	
8	H	Overcast; light rain from 3h. 31m. to 3h. 40m.	
8	H	Overcast with ≀≀, moving NE.	
8	B	Overcast; a break in S; light rain at 5h. 47m. which lasted 9m. but recommenced at 5h. 58m.	
8	B	Overcast; rain ceased at 6h. 29m.	
8	B	≀≀ scattered about, moving E; a few patches of ≀≀ in W.	
8	B	Overcast with ≀≀, moving E.	
8	C	Overcast.	
8	C	Overcast; rain commenced at 10h. 51m.	
8	C	Overcast; raining; smart gusts of wind at 11h. 31m.	
8	C	Overcast with ≀≀; raining; thunder but once heard in WSW at 0h. 24m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°3 and 85°0. Daily fall of rain by Osler's Gauge 3.70in.; Maximum Tension of Electricity by Henly's Apparatus 10; Maximum length of Spark by Ronald's Measure 0.13in.; at midnight the reading of Wet Bulb Thermometer was lowest during the month, and about 3°0 lower than the Normal Mean.
8	H	Overcast; rain ceased at 1h. 30m.; a passing shower of rain at 1h. 56m.	
8	H	Overcast; drizzling rain between 2h. and 2h 17m.	
4	H	≀≀ scattered about, moving E.	
2	H	≀≀ scattered about hor., moving NE.	
8	B	Overcast with ≀≀, moving E; a shower of rain at 5h. 14m. which lasted 2m.	
7	B	≀≀ and ≀≀ scattered throughout; showers of rain at 0h. 34m. and at 0h. 41m. which lasted respectively 3m. and 18m.	
8	B	Overcast with ≀≀; light rain at 7h. 4m. and at 7h. 32m. which lasted respectively 13m. and 15m.	
8	B	Overcast; raining heavily after 8h. 19m.	
8	C	Overcast with ≀≀, moving NE; raining lightly.	
8	C	Overcast with ≀≀, moving ENE; raining reduced to a light drizzle at 10h. 27m.	
8	C	Overcast; light drizzling rain.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 13th—Noon.	29.610	28.635	79°7	79°3	0°4	79°2	0.98	80°2	81°7	W b N	0.2	0.13	—	Out of Sc.	Out of Sc.	Instantly.
1 p. m.	.602	.634	79.2	79.0	0.2	78.9	1.00	80.0	81.5	W b S	½ to 3½	0.32	—	Out of Sc.	Out of Sc.	Instantly.
2 „	.599	.687	76.8	77.0	0.2	77.1	.00	78.0	81.3	SW	0.1	0.83	—	Out of Sc.	Out of Sc.	Instantly.
3 „	.594	.687	77.6	77.1	0.5	77.1	0.98	78.2	81.1	WSW	½ to 1½	0.49				
4 „	.587	.721	76.8	75.8	1.0	75.4	.96	77.8	81.1	„	0.2	0.18				
5 „	.584	.708	77.8	76.4	1.4	75.8	.94	78.3	81.1	„	0.3	0.03				
6 „	.598	.683	77.3	77.2	0.1	77.2	1.00	78.6	80.9	W b S	0.2	0.02				
7 „	.613	.698	77.3	77.2	0.1	77.2	.00	78.1	80.8	„	0.3	0.09				
8 „	.626	.725	77.4	76.9	0.5	76.7	0.98	78.6	80.7	SW b W	0.2	0.02				
9 „	.653	.711	77.7	78.0	0.3	78.1	1.00	78.9	80.7	W	0.1					
10 „	.671	.749	77.4	76.4	0.0	77.4	.00	78.3	80.7	„	0.0	0.03				
11 „	.663	.741	77.2	77.5	0.3	77.4	.00	78.2	80.6	NW b W	0.0	0.17				
July 14th—Midnight	.645	.668	78.4	79.0	0.6	79.2	.00	78.8	80.6	WSW	0.3	0.02	—	Out of Sc.	95	0.03
1 a. m.	.623	.727	78.3	77.0	1.3	76.5	0.94	78.2	80.8	„	0.1	0.06	+	10	8	Above 10m.
2 „	.611	.643	79.2	79.0	0.2	78.9	.99	80.0	81.0	W	0.2	0.05	+	1		Above 10m.
3 „	.608	.647	79.8	79.0	0.8	78.7	.97	80.2	81.0	W b S	0.6					
4 „	.607	.651	79.9	78.9	1.0	78.5	.96	80.4	81.0	„	0.5					
5 „	.612	.655	80.2	79.0	1.2	78.6	.95	80.8	81.1	„	0.4					
6 „	.626	.670	80.3	79.0	1.3	78.5	.95	81.2	81.1	„	0.3					
7 „	.634	.662	80.8	79.5	1.3	79.1	.95	81.6	81.2	„	0.2					
8 „	.645	.680	81.4	79.5	1.9	78.8	.92	82.2	81.3	„	¼ to 1					
9 „	.648	.689	79.6	78.9	0.7	78.6	.97	80.9	81.5	WNW	0.1	0.01	—	Out of Sc.	Out of Sc.	Instantly
10 „	.664	.669	80.5	80.0	0.5	79.8	.98	81.4	81.5	W	0.2					
11 „	.668	.685	81.6	80.0	1.6	79.4	.93	82.4	81.5	„	0.2					
Noon.	.661	.674	82.5	80.3	2.2	79.5	.91	82.8	81.7	„	0.1					
1 p. m.	.646	.669	82.2	80.0	2.2	79.2	.91	82.8	81.8	„	0.3					
2 „	.638	.696	81.5	79.0	2.5	78.1	.90	82.2	81.9	NW	0.3					
3 „	.626	.686	80.2	78.6	1.6	78.0	.93	80.8	81.7	NW b W	0.2	0.10				
4 „	.616	.639	81.1	79.7	1.4	79.2	.94	82.0	81.7	W	0.3	0.01				
5 „	.614	.643	81.6	79.7	1.9	79.0	.92	82.4	81.8	W b S	0.2					
6 „	.612	.646	81.3	79.5	1.8	78.9	.93	82.2	81.7	„	0.1					
7 „	.618	.664	80.8	79.1	1.7	78.5	.93	81.7	81.7	„	0.2					
8 „	.626	.672	80.8	79.1	1.7	78.5	.93	81.7	81.7	„	0.3					
9 „	.644	.687	80.2	79.0	1.2	78.6	.95	80.4	81.7	„	0.1	0.02				
10 „	.652	.697	80.4	79.0	1.4	78.5	.94	81.0	81.7	„	0.4					
11 „	.648	.723	80.4	78.3	2.1	77.6	.91	81.0	81.7	„	0.4					
July 15th—Midnight	.636	.698	80.0	78.5	1.5	77.9	.94	81.0	81.7	WSW	0.7					
1. a. m.	.614	.678	80.2	78 5	1.7	77.9	.93	81.0	81.7	„	0.8					
2 „	.590	.653	77.4	77.8	0.4	76.0	1.00	78.8	81.5	W	¼ to 2	0.12	—	Out of Sc.	Out of Sc.	Instantly.
3 „	.583	.615	79.2	79.0	0.2	78.9	0.99	80.2	81.3	WSW	¼ to 1	0.01				
4 „	.580	.619	79.8	79.0	0.8	78.7	.97	80.4	81.4	„	0.8					
5 „	.590	.653	79.3	78.3	1.0	77.9	.96	80.2	81.3	WNW	0.8	0.10				
6 „	.608	.719	78.2	76.8	1.4	76.3	.94	79.2	81.2	W	¼ to 2		+	1		
7 „	.629	.729	79.0	77.3	1.7	76.3	.93	79.7	81.2	W b N	0.4					
8 „	.633	.704	79.3	78.1	1.2	77.6	.95	80.2	81.2	WSW	¼ to 1¼					
9 „	.636	.695	78.2	78.1	0.1	78.0	.00	79.5	81.2	W b S	¼ to 3½	0.12				
10 „	.637	.709	79.0	78.0	1.0	77.6	.96	80.1	81.2	WSW	¼ to 1					
11 „	.638	.693	78.2	78.2	0.0	77.2	1.00	79.5	81.0	W b S	½ to 4½	0.16				
Noon.	.628	.662	79.4	79.0	0.4	78.9	0.98	80.2	81.1	WSW	¼ to 1	0.01				
1 p. m.	.619	.647	80.8	79.5	1.3	79.1	.95	81.6	81.3	SW b W	¾ to 1¾		+	1		
2 „	.606	.647	80.0	79.0	1.0	78.6	.96	80.7	81.4	W b N	¾ to 1¼	0.04	+	2		
3 „	.596	.623	81.2	79.5	1.7	78.9	.93	82.0	81.5	WSW	¾ to 1½	0.01				
4 „	.588	.654	79.2	78.2	1.0	77.8	.96	79.2	81.5	SW b W	¾ to 2	0.33	+	1		
5 „	.593	.675	80.2	78.2	2.0	77.4	.92	81.1	81.4	„	¾ to 1¾					
6 „	.607	.637	79.7	79.2	0.5	79.0	.98	80.8	81.3	W b S	¼ to 1	0.01				
7 „	.626	.668	79.7	78.9	0.8	78.6	.97	80.8	80.3	SW b W	0.2	0.09				
8 „	.637	.703	79.6	78.3	1.3	77.8	.95	80.4	81.3	SW	¼ to 4					
9 „	.656	.733	76.6	77.2	0.6	77.4	1.00	77.2	81.0	W	¾ to 1½	0.28				
10 „	.657	.749	77.2	77.0	0.2	76.9	0.99	78.2	80.8	WSW	0.0	0.01				
11 „	.655	.700	78.0	78.4	0.4	78.5	1.00	79.1	80.8	W	¼ to 1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≡ cirro-cumuli; ⌒ cumuli; ⌒≡ cirro-strati; ⌒∿ cumulo-strati; and ∿≡ nimbi.	
8	C	Overcast; raining.	
8	H	Overcast; raining rather heavily.	
8	H	" "	
8	H	" "	
8	H	Overcast; drizzling rain falling.	
8	B	Overcast; rain ceased at 5h. 15m. but recommenced at 5h. 27m.	
8	B	Overcast with ∿≡, moving E; rain ceased at 6h. 45m. but recommenced at 6h. 51m.	
8	B	Overcast; rain ceased at 7h. 19m.	
8	B	Overcast; lightning in N; a shower of rain at 8h. 15m. which lasted 3m.	
8	C	Overcast; rain commenced at 9h. 31m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; raining.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°1 and 85°0. Daily fall of rain by Osler's Gauge 0.27in.; Maximum Tension of Electricity by Henly's Apparatus 3; Maximum length of Spark by Ronald's Measure 0.05in.
8	H	" "	
8	H	Overcast; rain ceased at 2h. 36m.	
8	H	Overcast; a few stars dimly visible in SE.	
8	H	Overcast with ∿≡, moving NE.	
8	B	Overcast with ∿≡, moving E.	
8	B	" "	
8	B	" "	
8	B	Overcast; light rain commenced at 8h. 49m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; drizzling rain.	
8	C	Overcast; no rain.	
8	C	" "	
8	H	Overcast; drizzling rain between 1h. 35m. and 1h. 40m.	
8	H	Overcast; passing showers of rain at 2h. 5m. and at 2h. 45m.	
8	H	Overcast; shower of rain at 3h. 2m. which lasted 7m.	
8	H	Overcast with ∿≡, moving E.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	∿≡ scattered throughout; a shower of rain at 8h. 54m. which lasted 3m.	
8	C	Overcast with ∿≡, moving E.	
8	C	" "	
8	C	" "	
8	C	Overcast with ∿≡, moving E; a passing shower of rain at 0h. 19m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 83°0 and 85°0. Daily fall of rain by Osler's Gauge 2.26in.; Maximum Tension of Electricity by Henly's Apparatus 12; Maximum length of Spark by Ronald's Measure 0.14in.
8	H	Overcast; light drizzling rain at 1h. 9m. and at 1h. 30m.; a heavy shower of rain accompanied with gusts of wind at 1h. 36m.	
8	H	Overcast; raining lightly from 2h. to 2h. 30m.	
8	H	Overcast; a shower of rain at 3h. 20m. which lasted 10m.	
8	H	Overcast; a passing shower of rain at 4h. 16m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; drizzling rain between 7h. 4m. and 7h. 15m.	
8	B	Overcast; passing showers of rain.	
8	C	Overcast; drizzling rain between 9h. and 9h. 13m.	
8	C	Overcast with ∿≡, moving NE; rain commenced at 10h. 27m.	
8	C	Overcast; drizzling rain falling.	
8	C	Overcast with ∿≡, moving ENE; drizzling rain ceased at 12h. 35m.	
8	H	Overcast; light rain at 1h. 30m.	
8	H	Overcast; rain ceased at 2h. 30m.	
8	H	Overcast; raining lightly, but rather heavily at 3h. 52m.	
8	H	Overcast; no rain.	
8	B	Overcast with ∿≡, moving ENE; a passing shower of rain at 5h. 41m.	
8	B	Overcast with ∿≡, moving E; a heavy shower of rain at 6h. 11m. which lasted 7m.	
8	B	Overcast.	
8	B	Overcast; raining rather heavily at 8h. 33m.; smart gusts of wind at 8h. 33m.	
8	C	Overcast; rain ceased at 9h. 24m.	
8	C	Overcast; no rain.	
8	C	" "	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in which the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 16th-Midnight	29.643	28.691	79°2	78°6	0°6	78°4	0.97	80°1	81°0	W b S	½ to 1					
1 a. m.	.628	.715	79.6	77.8	1.8	77.1	.92	80.0	81.0	„	½ to 2	0.01				
2 „	.607	.670	78.2	78.0	0.2	77.9	.99	79.5	81.0	WSW	½ to 3½	0.01				
3 „	.614	.669	79.8	78.6	1.2	78.2	.95	80.2	81.0	„	½ to 1		+	1		
4 „	.615	.645	79.0	79.0	0.0	79.0	1.00	80.0	81.0	„	2 to 4	0.14				
5 „	.627	.673	79.4	78.7	0.7	78.5	0.97	80.5	81.0	„	2⅔ to 5	0.05				
6 „	.637	.712	77.8	77.6	0.2	77.5	.99	78.5	80.8	„	2½ to 7½	0.24	+	1		
7 „	.653	.732	78.9	77.8	1.1	77.4	.95	79.8	80.7	„	1½ to 4					
8 „	.670	.720	79.7	78.7	1.0	78.3	.96	80.4	80.8	„	⅔ to 1½					
9 „	.683	.778	78.2	77.2	1.0	76.8	.96	78.2	80.9	W	½ to 3½	0.16				
10 „	.686	.739	79.2	78.5	0.7	78.2	.97	80.1	81.0	WSW	½ to 2½	0.02				
11 „	.686	.687	81.4	80.3	1.1	79.9	.95	82.1	81.2	„	½ to 1½					
Noon.	.681	.795	79.2	77.0	2.2	76.1	.91	79.9	81.1	„	1½ to 2½					
1 p. m.	.670	.693	82.2	80.0	2.2	79.2	.91	82.9	81.3	„	½ to 2½					
2 „	.669	.692	81.4	79.8	1.6	79.2	.93	82.0	81.4	„	⅔ to 2⅔		—	Out of Sc.	Out of Sc.	Instantly.
3 „	.662	.740	77.4	77.4	0.0	77.4	1.00	77.8	80.9	W b N	½ to 4½	0.85	—	Out of Sc.	Out of Sc.	Instantly.
4 „	.644	.740	76.8	76.8	0.0	76.8	.00	77.3	80.7	W	½ to 1½	0.53	—	Out of Sc.	Out of Sc.	Instantly.
5 „	.659	.758	79.9	77.3	2.6	76.7	0.89	79.1	80.8	W b S	1½ to 3½	0.04	+	1		Above 10m.
6 „	.664	.743	77.9	77.5	0.4	77.4	.98	78.8	80.6	W	1 to 3½	0.10				
7 „	.686	.774	77.2	77.1	0.1	77.1	1.00	78.2	80.5	„	1 to 7⅔	0.29				
8 „	.691	.754	78.2	78.0	0.2	77.9	0.99	79.2	80.5	WSW	0.4					
9 „	.697	.762	78.4	78.0	0.4	77.8	.98	79.5	80.5	„	½ to ⅔					
10 „	.713	.818	78.4	77.0	1.4	76.5	.94	78.9	80.5	W	0 to 1½	0.07				
11 „	.694	.790	77.2	76.9	0.3	76.8	.99	78.0	80.4	WSW	½ to 1½	0.08				
July 17th-Midnight	.687	.798	76.8	76.4	0.4	76.3	.98	77.2	80.3	SW b W	1 to 2½	0.04				
1 a. m.	.667	.734	77.8	77.8	0.0	77.8	1.00	78.9	80.4	SW	½ to 1	0.03	+●	Out of Sc.	20	0.08
2 „	.648	.736	76.8	77.0	0.2	77.1	.00	77.8	80.3	W	½ to 1¾	0.36	+	1		Above 10m.
3 „	.640	.736	76.8	76.8	0.0	76.8	.00	77.7	80.1	„	⅔ to 3½	0.35				
4 „	.639	.751	76.2	76.2	0.0	76.2	.00	77.2	80.1	„	1 to 3⅓	0.17				
5 „	.655	.718	78.2	78.0	0.2	77.9	0.99	79.5	80.2	W,SW	0.3					
6 „	.670	.737	78.5	78.0	0.5	77.8	.98	79.5	80.2	„	¼ to ½					
7 „	.679	.709	79.7	79.2	0.5	79.0	.98	80.6	80.3	„	0.2					
8 „	.692	.714	80.6	79.6	1.0	79.3	.96	81.5	80.5	„	0.3		+	1		Above 10m.
9 „	.708	.733	81.2	79.7	1.5	79.2	.93	82.0	80.8	SW b W	0.3					
10 „	.713	.705	83.6	81.1	2.5	80.2	.90	84.1	81.2	WSW	0.2					
11 „	.713	.684	86.2	82.2	4.0	80.8	.85	86.1	81.7	„	0.3					
Noon.	.700	.681	86.3	82.0	4.3	80.6	.84	86.2	82.0	„	0.5					
1 p. m.	.692	.677	85.8	81.8	4.0	80.4	.85	86.1	82.1	W b N	0.4					
2 „	.680	.674	84.7	81.3	3.4	80.1	.87	84.9	82.3	W	0.4					
3 „	.672	.695	82.2	80.0	2.2	79.2	.91	83.2	82.1	W b N	½ to 1½					
4 „	.658	.732	80.7	78.4	2.3	77.5	.91	81.9	82.0	W	¼ to 1½					
5 „	.663	.701	81.2	79.4	1.8	78.7	.93	82.2	82.0	„	½ to 1					
6 „	.677	.739	81.2	78.8	2.4	77.9	.90	82.0	81.9	W b N	0.3					
7 „	.686	.738	81.0	79.0	2.0	78.3	.92	81.8	81.9	W	0.2					
8 „	.700	.750	80.8	79.0	1.8	78.3	.93	81.6	81.8	„	0.3					
9 „	.714	.768	80.4	78.8	1.6	78.2	.93	81.2	81.8	„	0.2					
10 „	.711	.845	79.6	76.6	3.0	75.4	.88	79.8	81.7	W b S	¾ to 2½					
11 „	.702	.747	79.6	78.8	0.8	78.5	.97	80.4	81.5	W	0.5	0.01				
July 19th-Midnight	.738	.781	79.4	78.8	0.6	78.6	.97	80.2	81.4	WNW	0.1					
1 a. m.	.707	.779	79.0	78.0	1.0	77.6	.96	80.0	81.4	NW b W	0.3					
2 „	.702	.812	78.8	77.0	1.8	76.3	.92	79.5	81.3	WNW	0.2	0.06				
3 „	.695	.764	78.0	77.8	0.2	77.7	.99	79.2	81.0	NW	0.1	0.11				
4 „	.691	.769	78.4	77.7	0.7	77.4	.97	79.4	81.0	NW b N	0.2					
5 „	.700	.788	78.7	77.5	1.2	77.1	.95	79.8	81.0	NW	0.2		None.	None.	None.	None.
6 „	.720	.808	79.0	77.6	1.4	77.1	.94	80.0	80.9	„	0.1					
7 „	.735	.780	80.4	79.0	1.4	78.5	.94	81.5	81.0	„	0.2					
8 „	.745	.807	81.2	78.8	2.4	77.9	.91	82.2	81.2	NW b N	0.2					
9 „	.755	.785	82.8	80.0	2.8	79.0	.89	83.7	81.5	„	0.2	0.02				
10 „	.753	.735	84.4	81.5	2.9	80.5	.88	84.8	81.9	NNW	0.2					
11 „	.750	.728	86.0	82.0	4.0	80.6	.85	86.1	82.1	„	0.3					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩≀ cumulo-strati; and ∨≀ nimbi.	
8	C	Overcast with ∨≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°9 and 85°0. Daily fall of rain by Osler's Gauge 2.61; Maximum Tension of Electricity by Henly's Apparatus 5; Maximum length of Spark by Ronald's Measure 0.07in.
8	H	Overcast; a passing shower at 1h. but light rain at 1h. 34m. which lasted 7m.	
8	H	Overcast; no rain.	
8	H	Overcast; rain commenced at 3h. 9m. and ceased at 3h. 35m.	
8	H	Overcast; rain commenced at 4h. 17m. which ceased at 4h. 33m.	
8	B	Overcast; heavy showers of rain at 5h. 6m. and at 5h. 56m. which lasted respectively 10m. & 6m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain from 7h. 49m. to 7h. 54m.	
8	B	Overcast; showers of rain now and then.	
8	C	Overcast; rain ceased at 9h. 11m. but a passing shower came at 9h. 39m.	
8	C	Overcast; no rain.	
8	C	Overcast; a passing shower of rain at 11h. 15m.	
8	C	Overcast; no rain.	
8	H	" "	
8	H	Overcast; rain commenced at 2h. 14m.	
8	H	Overcast; raining heavily.	
8	H	Overcast; drizzling rain ceased at 4h. 42m.	
8	B	Overcast; rain at 5h. 4m. which ceased at 5h. 10m. but recommenced at 5h. 58m.; thunder in SW heard at 5h. 59m.	
8	B	Overcast; rain ceased at 6h. 2m. but recommenced at 6h. 6m. which ceased at 6h. 58m.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	Overcast; passing shower of rain at 9h. 50m.	
8	C	Overcast; light rain from 10h. to 10h. 25m.	
8	C	Overcast; rain commenced at 11h. 52m.	
8	C	Overcast with ∨≀, moving E; rain ceased at 0h. 24m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°7 and 84°9. Daily fall of rain by Osler's Gauge 0.92.
8	H	Overcast; rain commenced at 1h. 9m. and ceased at 1h. 55m.	
8	H	Overcast; rain commenced at 2h. 25m. and ceased at 2h. 48m.	
8	H	Overcast; rain commenced at 3h. 2m.	
8	H	Overcast; rain ceased at 4h. 27m.	
8	B	Overcast; no rain.	
8	B	" "	
7	B	Densely clouded with ∨≀ and ∨≀; a passing shower at 7h. 6m.	
8	B	Overcast with ∨≀; a few drops of rain at 8h. 32m.	
8	C	Overcast; no rain.	
8	C	Overcast; breaks in N and E.	
8	C	Overcast with ∨≀ and ∨≀, former moving E; a few ≀ in SSE.	
8	C	Overcast with ∨≀ and ∨≀.	
8	H	Overcast with ∨≀ and ∨≀, former moving NE.	
8	H	Overcast; a few drops of rain at 2h. 45m.	
8	H	Overcast; drizzling rain between 3h. 35m. and 3h. 45m.	
8	H	Overcast with ∨≀, moving ENE.	
8	H	" "	
8	H	" "	
8	H	" "	
8	H	Densely clouded with ∨≀, moving E; a break about zth.	
8	H	Overcast; passing shower of rain at 9h. 26m.	
8	H	Overcast; light rain at 10h. which lasted 20m.	
8	H	Overcast; a break in N of zth.	
3	C	∨≀ scattered about hor., moving ENE; a passing shower of rain at 0h. 38m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.21.
1	H	Masses of clouds around hor.	
7	H	Densely clouded with ∨≀, moving E; heavy shower of rain at 2h. which lasted 16m.	
3	H	∨≀ scattered about hor.	
3	H	"	
3	B	"	
6	B	∨≀ around hor.; ≀ and ∨≀ scattered about.	
7	B	Densely clouded with ∨≀, ≀, and ∨≀, former moving E.	
8	B	Overcast with ∨≀, breaks in S and W.	
8	C	Overcast with ∨≀, moving ENE; light rain between 9h. 1m. and 9h. 4m.	
6	C	∨≀ scattered throughout.	
5	C	∨≀ around hor., moving E; ≀ and ∨≀ scattered about.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 19th–Noon.	29.741	28.730	87°0	82°0	5°0	80°3	0.81	86°3	82°5	NNW	0.2					
1 p. m.	.725	.700	87.4	82.4	5.0	80.7	.81	87.0	82.7	W	0.4					
2 „	.713	.710	87.7	82.0	5.7	80.0	.79	87.2	83.0	„	0.3					
3 „	.703	.710	87.4	81.7	5.7	79.7	.79	87.2	83.0	W b S	0.3					
4 „	.699	.712	85.2	81.0	4.2	79.5	.84	85.6	83.1	„	0.3					
5 „	.697	.746	84.5	80.0	4.5	78.4	.82	84.5	83.1	„	0.2					
6 „	.705	.755	82.8	79.5	3.3	78.3	.87	83.2	82.9	„	0.2	None.	None.	None.	None.	None.
7 „	.711	.783	81.7	78.7	3.0	77.6	.88	82.5	82.7	WSW	0.3					
8 „	.726	.800	81.1	78.5	2.6	77.5	.89	82.0	82.6	„	0.4					
9 „	.736	.826	80.6	78.0	2.6	77.0	.89	81.4	82.4	W	0.3					
10 „	.749	.826	80.6	78.3	2.3	77.4	.91	81.5	82.3	„	0.1					
11 „	.739	.823	80.8	78.2	2.6	77.2	.89	81.8	82.2	„	0.2					
July 20th–Midnight	.725	.815	80.6	78.0	2.6	77.0	.89	81.4	82.2	W b S	0.2					
1 a. m.	.708	.801	80.2	77.8	2.4	76.9	.90	81.0	82.1	W	0.6					
2 „	.690	.791	79.9	77.5	2.4	76.6	.90	80.7	82.0	„	0.6					
3 „	.684	.773	79.8	77.8	2.0	77.0	.92	80.7	82.0	W b S	0.5					
4 „	.684	.765	79.8	78.0	1.8	77.3	.92	80.7	81.9	WSW	0.3					
5 „	.698	.779	79.8	78.0	1.8	77.3	.92	80.8	81.7	„	0.2					
6 „	.712	.786	79.9	78.2	1.7	77.5	.93	80.9	81.8	W b S	0.2					
7 „	.715	.767	81.0	79.0	2.0	78.3	.92	83.4	81.9	„	0.2					
8 „	.723	.783	81.7	79.0	2.7	78.0	.89	83.8	82.0	„	0.3					
9 „	.726	.783	82.2	79.2	3.0	78.1	.88	83.2	81.8	W	0.3					
10 „	.729	.778	83.4	79.7	3.7	78.4	.85	84.2	82.1	W b N	0.3					
11 „	.720	.757	85.5	80.5	5.0	78.8	.81	85.2	82.5	„	0.2					
Noon.	.705	.747	86.2	80.6	5.6	78.6	.79	86.3	82.7	„	0.3		None.	None.	None.	None.
1 p. m.	.695	.717	85.9	81.0	4.9	79.3	.81	86.2	82.8	WNW	0.4	0.02				
2 „	.685	.714	86.6	81.0	5.6	79.0	.79	86.7	82.3	W b N	0.4					
3 „	.671	.732	85.6	80.0	5.6	78.0	.79	85.8	83.2	W	0.6					
4 „	.668	.708	83.7	80.0	3.7	78.7	.85	84.2	83.2	„	0.4					
5 „	.668	.830	79.6	75.9	3.7	74.4	.85	79.5	82.8	WNW	0.4	0.01				
6 „	.682	.740	81.5	79.0	2.5	78.1	.90	82.2	82.6	W	0.2	0.01				
7 „	.694	.786	80.8	78.0	2.8	76.9	.89	81.7	82.6	„	0.2					
8 „	.703	.795	80.8	78.0	2.8	76.9	.89	81.7	82.6	W b S	0.3					
9 „	.715	.800	80.2	78.0	2.2	77.2	.91	81.1	82.4	WSW	0.2					
10 „	.723	.768	80.4	79.0	1.4	78.5	.94	81.2	82.3	„	0.3					
11 „	.707	.790	80.0	78.0	2.0	77.2	.92	81.2	82.2	„	0.3					
July 21st–Midnight	.698	.762	80.2	78.5	1.7	77.9	0.93	81.2	82.1	WSW	0.4					
1 a. m.	.678	.745	80.0	78.4	1.6	77.8	.93	81.0	82.0	„	0.3	0.01				
2 „	.672	.761	79.4	77.7	1.7	77.0	.93	80.2	82.0	W	0.3	0.01				
3 „	.668	.725	80.0	78.6	1.4	78.1	.94	80.8	82.0	„	0.4					
4 „	.668	.751	80.0	78.0	2.0	77.2	.92	80.5	82.0	„	0.8					
5 „	.680	.794	78.4	76.8	1.6	76.1	.93	78.2	81.7	W b N	½ to 4	0.15				
6 „	.699	.775	79.4	78.0	1.4	77.5	.94	80.2	81.6	„	¼ to 1					
7 „	.714	.753	80.2	79.1	1.1	78.7	.95	81.0	81.7	„	0.2					
8 „	.728	.771	81.3	79.3	2.0	78.6	.92	82.0	81.8	„	0.2					
9 „	.730	.761	81.0	79.5	1.5	79.0	.94	81.7	81.8	WSW	0.1					
10 „	.730	.792	81.9	79.0	2.9	77.9	.88	82.4	81.9	„	0.2					
11 „	.730	.761	82.2	79.8	2.4	79.0	.90	83.0	81.9	„	0.3					
Noon.	.720	.717	84.7	81.1	3.6	80.1	.88	84.6	82.2	„	0.2		None.	None.	None.	None.
1 p. m.	.698	.719	83.6	80.4	3.2	79.3	.87	84.0	82.4	„	0.2					
2 „	.683	.694	85.0	81.0	4.0	79.6	.84	85.7	82.6	„	0.6					
3 „	.674	.698	85.0	80.7	4.3	79.2	.83	85.4	82.9	„	0.5					
4 „	.670	.677	85.8	81.3	4.5	79.7	.83	86.0	83.0	„	0.3					
5 „	.666	.705	83.3	79.9	3.4	78.7	.86	83.4	83.0	„	0.2					
6 „	.674	.741	81.2	78.7	2.5	77.8	.90	82.0	82.7	W	0.3					
7 „	.680	.767	81.1	78.2	2.9	77.1	.88	81.9	82.6	WSW	0.5					
8 „	.694	.762	81.0	78.6	2.4	77.7	.92	81.8	82.6	„	0.3					
9 „	.717	.768	80.9	79.0	1.9	78.3	.92	81.8	82.4	„	0.4					
10 „	.731	.782	80.9	79.0	1.9	78.3	.92	81.8	82.3	W b S	0.3					
11 „	.724	.774	80.8	79.0	1.8	78.3	.93	81.7	82.3	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ⌐⌐i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌐⌣i nimbi.	
4	C	⌒i in E hor.; ⌐i above E and SE hor.; ⌐⌣i scattered about hor.	
6	H	⌐⌣i and ⌐⌐i scattered throughout, former moving E.	
4	H	⌐⌣i scattered about; light ⌐i above E and SE hor.	
4	H	⌐⌣i around hor.; ⌐⌐i above NE hor.; light ⌐i above E and SE hor.; a passing shower of rain at 3h. 56m.	
6	H	⌐⌣i scattered throughout, moving E; ⌐i above hor. from E to S.	
4	B	⌐⌣i around hor., moving E; light ⌐i scattered about zth. in N and S.	
5	B	⌐⌣i around hor.; ⌐i in SE.	
5	B	⌐⌣i around hor.; ⌐i in S hem.; a few drops of rain at 7h. 18m.	
5	B	⌐⌣i scattered about, moving E.	
3	C	⌐⌣i around hor.; ⌐i scattered about; a lunar-halo.	
8	C	Overcast with ⌐⌣i and ⌐⌐i, former moving E.	
8	C	Overcast with ⌐⌣i, moving E.	
8	C	Overcast with ⌐⌣i, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.04; the Temperature of deduced Dew-Point at 5 P. M. was 74°4, the lowest in the month.
7	H	Densely clouded with ⌐⌣i.	
3	H	⌐⌣i scattered about hor.	
4	H	⌐⌣i scattered about	
7	H	Densely clouded with ⌐⌣i, moving E.	
7	C	" "	
8	C	⌐⌣i and ⌐⌐i scattered throughout; drizzling rain between 6h. 19m. to 6h. 33m.	
8	C	Overcast; breaks in NE; drizzling rain at 7h. 57m. which lasted 6m.	
8	C	Overcast; no rain	
8	B	Overcast; break in N.	
8	B	Uniformly overcast.	
8	B	"	
7.	B	Densely clouded with ⌐⌣i and ⌐⌐i, former moving E; light rain at 12h. 18m. which lasted 7m.	
6	H	⌐⌣i and ⌐⌐i scattered throughout.	
7	H	" "	
8	H	Overcast with ⌐⌣i and ⌐⌐i, former moving E.	
8	H	Overcast with ⌐⌣i, moving E; drizzling rain at 4h. 54m.	
8	B	Overcast; rain ceased at 5h. 18m.	
5	B	⌐⌣i scattered about hor, moving E; ⌐⌐i scattered about; light ⌐i in N of zth.	
3	B	⌐⌣i scattered about hor.; moving E; ⌐⌐i in SE and E; a few drops of rain at 7h. 55m.	
6	B	⌐⌣i scattered throughout, moving E; a lunar-halo.	
4	C	⌐⌣i scattered about hor., moving E; ⌐i scattered about; a lunar-halo.	
7	C	⌐⌣i and ⌐i scattered throughout; a lunar-halo.	
6	C	⌐⌣i and ⌐i scattered throughout.	
8	C	Overcast with ⌐⌣i, moving E; light rain from 0h. 23m. to 0h. 28m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.17.
	H	⌐⌣i scattered about, moving E; a passing shower of rain at 1h. 16m.	
	H	Overcast with ⌐⌣i, moving E.	
8	H	" "	
6	H	⌐⌣i scattered throughout; heavy rain and wind at 4h. 54m.	
8	C	Overcast; rain ceased at 5h. 9m.	
7	C	⌐⌣i scattered about; light ⌐i in zth.	
8	C	Overcast with ⌐⌣i, moving ENE.	
8	C	Overcast; drizzling rain from 8h. 38m. to 8h. 42m.	
8	B	Overcast; break above N hor.	
8	B	Overcast; break above W hor.	
8	B	Overcast with ⌐⌣i, moving E.	
7	B	⌐⌣i scattered throughout, moving ENE.	
8	H	Overcast with ⌐⌣i, moving ENE.	
7	H	Densely clouded with ⌐⌣i and ⌐⌐i, former moving ENE.	
7	H	Densely clouded with ⌐⌣i and ⌐⌐i.	
7	H	Densely clouded with ⌐⌣i; patches of ⌐⌐i in S; light ⌐i in SE; drizzling rain at 4h. 58m.	
8	B	Overcast with ⌐⌣i, moving E; rain ceased at 5h. 5m. but recommenced at 5h. 52m. which lasted 5m.	
8	B	Overcast with ⌐⌣i, moving E.	
8	B	Overcast with ⌐⌣i, moving ENE; ⌐i above W hor.	
8	B	Overcast with ⌐⌣i, moving ENE.	
8	C	Overcast with ⌐⌣i, moving E.	
8	C	" "	
8	C	⌐⌣i and ⌐i scattered throughout; a lunar-halo; light shower of rain at 11h. 12m. which lasted 4m.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strauss of Volts 1.	Readings of Strauss of Volts 2.	Interval of Time in receiving the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 22nd-Midnight	29.715	28.786	80°4	78°4	2°0	77°6	0.92	81°2	82°3	W	0.4					
1 a. m.	.698	.758	80.2	78.6	1.6	78.0	.93	81.0	82.2	„	½ to 1½					
2 „	.686	.833	79.4	76.2	3.2	75.0	.87	79.0	82.0	„	0.2	0.04				
3 „	.680	.756	79.4	78.0	1.4	77.5	.94	80.2	82.0	„	0.6					
4 „	.680	.754	79.2	78.0	1.2	77.5	.95	80.2	81.9	WSW	½ to ⅝					
5 „	.691	.762	78.2	77.8	0.4	77.6	.98	79.7	81.7	„	½ to 2½	0.04				
6 „	.711	.784	79.1	78.0	1.1	77.6	.95	79.9	81.6	„	0.3					
7 „	.728	.835	78.5	77.0	1.5	76.4	.94	79.7	81.5	„	½ to 2¾					
8 „	.744	.793	80.7	79.0	1.7	78.4	.93	81.9	81.5	„	0.3					
9 „	.755	.771	82.3	80.2	2.1	79.4	.91	83.1	81.7	„	0.2					
10 „	.764	.779	83.4	80.5	2.9	79.5	.88	84.3	82.0	„	½ to ⅝					
11 „	.758	.748	84.3	81.3	3.0	80.3	.88	85.3	82.2	„	½ to ⅝		None.	None.	None.	None.
Noon.	.758	.741	87.3	82.2	5.1	80.5	.81	87.4	82.7	„	½ to ⅝					
1 p. m.	.747	.732	86.6	82.0	4.6	80.4	.83	86.8	82.9	W b S	0.3					
2 „	.732	.673	81.4	81.7	0.3	81.8	1.00	83.0	82.5	W b N	½ to 2½	0.02				
3 „	.728	.715	84.4	81.4	3.0	80.4	0.88	85.2	82.8	W b S	0.3	0.20				
4 „	.718	.834	81.2	77.5	3.7	76.1	.85	81.0	82.8	W b N	½ to 3½					
5 „	.721	.769	82.1	79.4	2.7	78.4	.89	83.0	82.6	W	0.4	0.04				
6 „	.735	.797	81.9	79.0	2.9	77.9	.88	82.8	82.6	„	0.3					
7 „	.743	.808	81.1	78.7	2.4	77.8	.90	82.1	82.6	„	0.3					
8 „	.765	.828	80.9	78.7	2.2	77.9	.91	81.8	82.4	W b S	0.3					
9 „	.783	.843	80.6	78.7	1.9	78.1	.92	81.7	82.3	„	0.3					
10 „	.789	.857	80.6	78.5	2.1	77.7	.91	81¼	82.2	„	0.3					
11 „	.788	.865	80·5	78.3	2.2	77.4	.91	81.4	82.2	„	0.4					
July 23rd-Midnight	.780	.851	80.4	78.4	2.0	77.6	.92	81.2	82.1	W	0.3					
1 a. m.	.759	.823	80.2	78.5	1.7	77.9	.92	81.2	82.1	„	0 3					
2 „	.748	.827	79.6	78.0	1.6	77.4	.93	80.5	82.0	„	½ to 2½	0.01				
3 „	.742	.854	79.0	77.0	2.0	76.2	.92	79.4	82.0	„	½ to ⅝					
4 „	.742	.823	79.8	78.0	1.8	77.3	.92	80.6	81.9	„	0.5					
5 „	.756	.839	80.0	78.0	2.0	77.2	.92	81.1	81·7	„	0.3					
6 „	.776	.839	80.1	78.5	1.6	77.9	.93	81.1	81.7	W b S	0.2					
7 „	.793	.874	80.6	78.2	2.4	77.3	.90	82.0	81.7	WNW	0.3					
8 „	.824	.905	82.5	78.7	3.8	77.3	.85	83.2	81.8	W	0.4					
9 „	.829	.863	79.7	78.9	0.8	78.9	.97	81.3	81.8	„	½ to 3½	0.02				
10 „	.830	.875	82.7	79.6	3.1	78.5	.88	83.2	82.0	WSW	½ to 1½					
11 „	.832	.856	85.0	80.7	4.3	79.2	.83	85.0	82.4	W	0.3					
Noon.	.821	.938	85.4	78.6	6.8	76.0	.74	84.2	82.7	„	1 to 2½		None.	None.	None.	None.
1 p. m.	.801	.816	85.4	81.0	4.4	79.5	.83	85.7	83.0	WSW	0.4	0.03				
2 „	.773	.823	84.6	80.0	4.6	78.3	.82	85.2	82.9	„	0.8					
3 „	.763	.787	86.2	81.0	5.2	79.2	.80	86.2	83.0	„	0.2					
4 „	.753	.778	86.3	81.0	5.3	79.2	.80	86.2	83.1	„	0.3					
5 „	.752	.833	83.6	79.0	4.6	77.3	.82	83.8	83.1	„	0.2					
6 „	.752	.807	82.4	79.3	3.1	78.2	.87	83.0	82.8	„	0.4					
7 „	.769	.827	81.5	79.0	2.5	78.1	.90	82.8	82.7	„	½ to 1					
8 „	.788	.852	81.3	78.8	2.5	77.9	.90	82.5	82.7	SW b W	0.2					
9 „	.805	.878	81.0	78.5	2.5	77.6	.90	82.1	82.5	WSW	0.2					
10 „	.809	.889	80.8	78.3	2.5	77.3	.90	82.0	82.5	„	0.2					
11 „	.801	.886	80.2	78.0	2.2	77.2	.91	81.4	82.3	„	½ to ⅝					
July 24th-Midnight	.786	.871	80.2	78.0	2.2	77.2	.91	81.4	82.3	WSW	½ to ⅝					
1 a. m.	.763	.841	78.8	77·8	1.0	77.4	.96	80.2	82.0	„	0.6	0.05				
2 „	.744	.839	78.6	77.3	1.3	76.8	.95	79.6	82.0	„	0.4	0.07				
3 „	.736	.791	78.2	78.2	0.0	78.2	1.00	79.6	81.8	„	½ to 1	0·15				
4 „	.734	.803	78.7	78.0	0.7	77.7	.97	80.0	81.7	„	0.4					
5 „	.731	.800	79.0	77.8	1.2	77.3	.99	80.5	81.6	„	0.4		None.	None.	None.	None.
6 „	.737	.808	79.2	77.8	1.4	77.3	.98	80.5	81.5	„	0.3					
7 „	.748	.805	80.0	78.6	1.4	78.1	.94	82.8	81.6	„	⅜ to ⅝					
8 „	.761	.810	81.5	79.2	2.3	78.4	.90	83.0	81.6	„	½ to ⅝					
9 „	.771	.798	82.5	80.0	2.5	79.1	.90	83.5	81.9	„	½ to 1					
10 „	.772	.806	84·5	80.3	4.2	78.9	.84	84.4	82.2	„	0.4					
11 „	.767	.769	85.8	81.4	4.4	79.9	.83	85.6	82.5	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati ; ∩ cumulo-strati ; and ≀≀ nimi.	
8	C	Overcast with ≀≀, moving E; light shower of rain at 0h. 18m. which lasted 2m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.31in.
8	H	Overcast; rain accompanied with gusts of wind commenced at 1h. 57m.	
8	H	Overcast; rain ceased at 2h. 3m.	
8	H	Overcast; light rain at 3h. 45m. which lasted 5m.	
3	H	≀≀ scattered about hor.; light rain at 4h. 35m. which lasted 5m.	
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast with ≀≀ and ≀≀; rain at 6h. 46m. which lasted 3m.	
8	B	Overcast; breaks about zth.	
8	B	Overcast; break in W; a few drops of rain at 8h. 10m.	
8	G	Densely clouded with ≀≀ and ≀≀; break about zth.	
8	G	Densely clouded with ≀≀ and ≀≀, former moving ENE.	
8	G	Densely clouded with ≀≀, moving E; breaks about zth.	
7	N	≀≀ scattered throughout, moving E; a passing shower of rain at 12h. 30m.	
7	H	≀≀ and ≀≀ scattered throughout; a passing shower of rain at 1h. 18m. and light rain at 1h. 35m. which lasted 11m.	
7	H	Densely clouded with ≀≀ and ≀≀; no rain.	
7	H	Densely clouded; rain commenced at 3h. 52m.	
8	H	Overcast with ≀≀; rain ceased at 4h. 6m.	
8	B	Overcast; breaks in S.	
8	B	Overcast; breaks in S and E.	
4	B	≀≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.07in.; the reading of Barometer at 11 A. M. was greatest in the month, and about 0.118in. greater than the Normal Mean.
5	B	≀≀ scattered about; light rain at 8h. 18m. which lasted 3m.	
6	C	≀≀ scattered about; ≀≀ in SW and NW.	
4	C	≀≀ scattered around hor.; ≀≀ about zth.	
4	C	≀≀ around hor.; dense ≀≀ scattered about zth.	
5	C	≀≀ scattered about, moving E; ≀≀ in W hem.	
3	H	≀≀ and ≀≀ scattered about hor., both moving E; rain and wind at 1h. 23m.	
6	H	≀≀ scattered throughout; ≀≀ in S, SW, & W above hor.; rain & wind at 2h. 50m.	
8	H	Overcast with ≀≀, moving E.	
8	H	" "	
5	B	≀≀ scattered about.	
6	B	≀≀ scattered throughout; light ≀ above N and S hor.; rain at 6h. 18m. which lasted 4m.	
6	B	≀≀ scattered about; ≀≀ in E hem.; dense ≀ above E hor.	
5	B	≀≀ scattered about, moving E; ≀≀ above E & SW hor.; light rain at 8h. 30m. which lasted 6m.	
7	C	≀≀ around hor.; ≀≀ scattered about; drizzling rain at 9h. 18m. which lasted 9m.	
6	C	≀≀ scattered throughout.	
6	C	≀≀, ≀≀, and ≀ scattered throughout, former moving ENE.	
8	C	Overcast with ≀≀, moving E; light rain at 12h. 2m. which lasted 5m.	
7	H	≀≀ and ≀≀ scattered throughout, former moving NE; ∩ around hor.	
7	H	∩ around hor.; ≀≀ and ≀≀ scattered throughout.	
7	H	≀≀ scattered throughout, moving NE.	
5	H	∩ around hor.; ≀≀ and ≀≀ scattered about.	
7	B	∩ in NE and E hor.; ≀≀ and ≀ above SW hor.; ≀≀ scattered throughout, moving ENE.	
7	B	∩ in E hor.; ≀ above W hor.; ≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°6 and 84°9. Daily fall of rain by Osler's Gauge 0.33in.
8	B	Overcast with ≀≀; dense ≀ above W hor.	
7	B	≀≀ scattered throughout; a few patches of ≀≀ above S hor.	
5	C	≀≀ scattered about, moving E.	
5	C	≀≀ scattered about; light rain at 10h. 17m. which lasted 3m.	
6	C	≀≀ around hor.; ≀≀ scattered about.	
7	C	Densely clouded with ≀≀ and ≀≀, both moving E; light rain at 0h. 12m. which lasted 6m.	
6	H	Densely clouded with ≀≀ and ≀≀; showers of rain at 1h. 52m. which lasted 4m.	
8	H	Overcast with ≀≀ a break in NW; a shower of rain at 2h. 30m. which lasted 5m.	
7	H	Densely clouded with ≀≀ and ≀≀, both moving E.	
5	H	≀≀ scattered about, moving E.	
6	B	" "	
7	B	≀≀ scattered about; a few drops of rain at 6h. 31m.	
5	B	≀≀ scattered about; ≀≀ above N hor.; above NW and S hor.	
5	B	≀≀ scattered about; ≀ in S above hor.	
4	C	≀≀ scattered about; light ≀ here and there.	
5	C	≀≀ scattered about, moving E.	
4	C	" "	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the mean degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 24th—Noon.	29.753	28.784	86°0	80°8	5°2	79°0	0.80	86°0	82°7	W S W	0.3					
1 p. m.	.727	.740	86.8	81.4	5.4	79.5	.80	86.8	83.0	„	0.3					
2 „	.711	.729	87.2	81.4	5.8	79.4	.78	87.2	83.2	W b S	¼ to 1½					
3 „	.691	.700	84.8	81.0	3.8	79.7	.85	85.2	83.1	„	½ to 1½	0·05				
4 „	.670	.670	84.2	81.0	3.2	80.0	.87	85.2	83.0	„	½ to 1¼					
5 „	.666	.724	83.5	79.5	4.0	78.1	.84	84.2	83.0	WSW	0.5					
6 „	.674	.759	82.1	78.5	3.6	77.2	.86	83.0	82.8	W b S	¼ to ¾		None.	None.	None.	None.
7 „	.685	.753	81.0	78.6	2.4	77.7	.90	82.6	82.7	„	0.3					
8 „	.695	.781	81.0	78.2	2.8	77.1	.88	82.4	82.7	W S W	0.4					
9 „	.708	.775	80.5	78.5	2.0	77.8	.92	81.9	82.5	W b S	0.8					
10 „	.720	.797	80.2	78.2	2.0	77.4	.92	81.5	82.3	„	¼ to ¾					
11 „	.708	.777	79.8	78.3	1.5	77.7	.94	81.2	82.2	„	0.4					
July 26th—Midnight	.676	.736	80.2	78.6	1.6	78.0	.93	81.2	81.8	SW b W	0.5					
1 a. m.	.654	.775	78.0	76.5	1.5	75.9	.94	78.2	81.8	W S W	0.3	0·05				
2 „	.638	.674	78.8	78.8	0.0	78.8	1.00	78.2	81.6	SW b W	0.5					
3 „	.634	.748	75.6	76.0	0.4	76.1	.00	76.6	81.2	W N W	¼ to 5¼	0·24				
4 „	.636	.756	76.2	76.0	0.2	75.9	0.99	76.4	81.0	„	0 to 2	0·52				
5 „	.638	.739	76.8	76.6	0.2	76.5	.99	77.4	80.7	„	2 to 4	0·17				
6 „	.655	.767	76.2	76.2	0.0	76.2	1.00	77.4	80.6	„	½ to 3½	0.03				
7 „	.667	.781	77.8	76.6	1.2	76.1	0.95	79.1	80.5	W S W	½ to 3¾					
8 „	.683	.778	79.3	77.5	1.8	76.8	.92	80.4	80.7	„	1 to 1¾					
9 „	.690	.741	80.9	79.0	1.9	78.3	.92	82.0	81.1	„	½ to 1					
10 „	.698	.729	82.5	79.9	2.6	79.0	.90	83.0	81.4	„	0.3					
11 „	.692	.692	84.0	81.0	3.0	80.0	.88	84.4	81.5	„	0.4		None.	None.	None.	None.
Noon.	.677	.719	83.2	79.8	3.4	78.6	.86	84.0	81.9	„	½ to 1¾					
1 p. m.	.668	.721	84.2	79.8	4.4	78.2	.83	84.7	82.0	W	½ to 1½					
2 „	.650	.652	85.8	81.4	4.4	79.9	.83	85.9	82.3	W S W	½ to 1					
3 „	.626	.650	84.2	80.5	3.7	79.2	.85	84.7	82.4	„	0.5					
4 „	.625	.694	81.8	78.8	3.0	77.7	.88	82.8	82.2	„	⅓ to 2					
5 „	.634	.689	82.0	79.2	2.8	78.2	.89	82.9	82.2	W	⅛ to 1½					
6 „	.641	.700	81.6	79.0	2.6	78.0	.89	82.7	82.2	W b S	⅛ to 1½					
7 „	.658	.711	81.1	79.0	2.1	78.2	.91	82.2	82.2	W S W	⅛ to ⅜					
8 „	.674	.724	80.8	79.0	1.8	78.3	.92	82.0	82.1	„	0.3					
9 „	.686	.777	78.6	77.6	1.0	76.9	.96	79.0	81.8	W N W	¼ to 1¼	0.10				
10 „	.681	.739	79.2	78.4	0.8	78.1	.97	80.2	81.7	W S W	½ to 1½	0.03				
11 „	.674	.729	79.4	78.5	0.9	78.2	.96	80.8	81.6	„	½ to 1½					
July 27th—Midnight	.658	.699	80.0	79.0	1.0	78.6	.96	81.0	81.6	WSW	½ to 1½					
1 a. m.	.633	.707	79.2	78.0	1.2	77.5	.95	80.2	81.5	„	1 to 6½					
2 „	.633	.680	79.8	78.8	1.0	78.4	.96	80.8	81.5	W	½ to 2					
3 „	.626	.709	80.0	78.0	2.0	77.2	.92	81.0	81.5	„	⅜ to 1½					
4 „	.628	.692	80.2	78.5	1.7	77.9	.93	81.2	81.5	„	1 to 1⅝					
5 „	.644	.759	79.3	77.0	2.3	76.1	.89	80.2	81.5	„	⅛ to 1½					
6 „	.660	.760	79.6	77.7	1.9	76.6	.92	80.8	81.4	„	½ to 3½					
7 „	.679	.792	79.8	77.2	2.6	76.2	.89	80.2	81.4	„	½ to 3¾					
8 „	.695	.815	77.6	76.4	1.2	75.9	.95	78.9	81.1	WSW	½ to 3¼	0.05				
9 „	.711	.792	78.0	77.5	0.5	77.3	.98	78.6	81.0	WNW	⅛ to 3	0.06				
11 „	.709	.794	78.4	77.5	0.9	77.2	.96	79.5	81.0	W	1 to 2⅛					
10 „	.711	.776	81.1	78.7	2.4	77.8	.90	82.0	81.2	WNW	½ to 1					
Noon.	.696	.774	80.8	80.0	0.8	77.4	.97	82.2	81.2	W	½ to 2¼	0.05	None.	None.	None.	None.
1 p. m.	.678	.707	80.4	79.4	1.0	79.0	.96	81.5	81.2	W b S	0.4	0.03				
2 „	.664	.690	81.0	79.6	1.4	79.1	.94	81.5	81.5	W	0.8					
3 „	.650	.694	80.3	79.0	1.3	78.5	.95	81.0	81.5	„	⅛ to 1¼	0.01				
4 „	.650	.694	80.3	79.0	1.3	78.5	.95	81.2	81.5	W b S	0.5					
5 „	.651	.698	79.8	78.8	1.0	78.4	.96	81.2	81.3	W b N	0.3	0.03				
6 „	.662	.752	79.1	77.6	1.5	77.0	.94	80.5	81.3	W b S	¼ to 1¼					
7 „	.665	.727	78.1	78.0	0.1	77.9	1.00	79.7	81.0	„	0.2	0.10				
8 „	.674	.751	77.7	77.5	0.2	77.4	0.99	79.0	81.0	W b N	0.2	0.36				
9 „	.689	.767	77.8	77.5	0.3	77.4	.99	79.0	80.8	WNW	0.8	0.02				
10 „	.699	.763	78.3	78.0	0.3	77.9	.99	79.4	80.8	W b N	0.6					
11 „	.693	.790	77.6	77.0	0.6	76.7	.97	78.1	80.7	„	0.4	0.01				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌣ cirri; ⌣ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌣ nimbi.	
4	C	⌣ scattered about, moving E.	
6	H	" "	
6	H	⌣ and fleecy clouds scattered throughout; a shower of rain from 2h. 30m. to 2h. 35m.	
6	H	⌣ scattered throughout, moving NE.	
6	H	⌒ in E hor.; ⌣ and fleacy clouds scattered throughout, both moving NE.	
5	B	⌒ in E hor.; ⌣ scattered about; ⌣ above SW and W hor.	
5	B	⌒ in E hor.; ⌣ above W hor.; ⌣ scattered throughout, moving NE.	
7	B	Densely clouded with ⌣, moving NE.	
6	B	⌣ scattered throughout, moving ENE.	
8	B	Overcast with ⌣, moving E; a few drops of rain at 9h. 7m.	
8	B	Overcast; breaks about 2th., drizzling rain commenced at 10h. 57m. but drops of rain fell now and then.	
8	B	Overcast; rain ceased at 11h. 3m.	
6	C	⌣ scattered about, moving E; a few ⌣ about 2th.; light rain from 0h. 48m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°7 and 84°8. Daily fall of rain by Osler's Gauge 1.15in. On the 26th at 3 A. M. the reading of Air Thermometer was smallest, and about 3°3 smaller than the Normal Mean.
8	H	Overcast with ⌣, moving E; rain ceased at 1h. 17m.	
8	H	Overcast; rain commenced at 2h. 30m. smart gusts of wind between 2h. 20m. and 2h. 45m.	
8	H	Overcast; rain ceased at 3h. 32m. but recommenced at 3h. 45m. accompanied with strong wind.	
8	H	Overcast; rain ceased at 4h. 9m. but recommenced at 4h. 38m. which lasted 12m.	
8	B	Overcast; light rain at 5h. 25m. and 5h. 38m. which lasted respectively 9h. & 7m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ⌣, moving ENE; a break in W.	
8	H	Overcast with ⌣, moving ENE.	
7	H	Densely clouded with ⌣ and ⌣, former moving ENE.	
7	H	Densely clouded with ⌣, moving ENE; a few drops of rain at 3h. 20m.	
8	H	Overcast with ⌣, moving ENE.	
8	B	Overcast; a break in S.	
8	B	Overcast with ⌣, moving E.	
8	B	Overcast; a shower of rain at 7h. 46m. which lasted 2m.	
8	B	Overcast; a shower of rain and strong wind at 8h. 30m. which lasted 11m.	
8	C	Overcast; showers of rain at 9h. and at 9h. 55m. which lasted in both instances 5m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ⌣, moving E; passing shower of rain at 0h. 30m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°8 and 84°8. Daily fall of rain by Osler's Gauge 0.81in.
8	H	Overcast; light passing shower of rain at 1h. 5m.	
8	H	Overcast; no rain.	
8	H	" "	
8	H	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; light rain at 7h. 6m. which ceased at 7h. 24m. but re-commenced at 7h. 44m.	
8	B	Overcast; rain ceased at 8h. 5m. but re-commenced at 8h. 19m.	
8	C	Overcast; rain ceased at 9h. 11m.	
8	C	Overcast; no rain.	
8	C	Overcast; drizzling between 11h. 19m. and 11h. 36m.	
8	C	Overcast; light rain at full hour which ceased at 12h. 5m.	
8	H	Overcast; drizzling rain between 1h. 31m. and 1h. 59m.	
8	H	Overcast with ⌣, moving ENE; drizzling rain at 2h. 50m. and at 2h. 55m.	
8	H	Overcast; a break in S; a passing shower of rain at 3h. 45m.	
8	H	Overcast with ⌣, moving E; drizzling rain between 4h. 10m. and 4h. 31m.	
8	B	Overcast; a break about 2th.	
8	B	Overcast; showers of rain at 6h. 20m. and at 6h. 45m.	
8	B	Overcast; rain commenced at 7h. 18m. and ceased at 7h. 56m.	
8	B	Overcast; light rain at 8h. 23m. which ceased at 8h. 41m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; rain commenced from 11h. 2m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Strawe of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 28th-Midnight	29.672	28.762	77°0	77°0	0°0	77°0	1.00	78°1	80°7	W	½ to 1½	0.09				
1 a. m.	.649	.712	78·2	78.0	0.2	77.9	0.99	79.3	80.7	,,	½ to 2½					
2 ,,	.635	.705	78·8	78.0	0.8	77.7	.97	79.7	80.7	,,	½ to 1					
3 ,,	.629	.710	78.0	77.5	0.5	77.3	.98	78.7	80.7	W b N	½ to 1¾					
4 ,,	.635	.727	78.3	77.3	1.0	76.9	.96	79.5	80.6	,,	0.5					
5 ,,	.643	.724	79.1	77.8	1.3	77.3	.95	80.2	80.7	,,	0.5					
6 ,,	.659	.758	77.8	77.0	0.8	76.7	.97	78.9	80.4	WNW	½ to 2	0.09				
7 ,,	.679	.764	78.7	77.6	1.1	77.2	.95	79.7	80.4	W	½ to 2½					
8 ,,	.683	.768	78.7	77.6	1.1	77.2	.95	79.8	80.5	NW b W	½ to 2					
9 ,,	.690	.766	79.4	78.0	1.4	77.5	.94	80.4	80.5	WNW	½ to 4¾					
10 ,,	.688	.763	79.3	78.0	1.3	77.5	.95	79.8	80.8	,,	½ to 2½					
11 ,,	.689	.745	81.4	79.0	2.4	78.1	.90	82.0	81.0	W b N	½ to 1½					
Noon.	.686	.714	82.6	80.0	2.6	79.1	.90	83.0	81.2	W	0.4	0.03	None.	None.	None.	None.
1 p. m.	.677	.692	83.4	80.5	2.9	79.6	.88	83.7	81.5	,,	0.5					
2 ,,	.670	.715	83.4	79.8	3.6	78.5	.86	83.7	81.7	,,	0.6					
3 ,,	.657	.726	81.8	78.8	3.0	77.7	.88	81.2	81.7	W b N	0.8	0.02				
4 ,,	.648	.697	82.2	79.4	2.8	78.4	.89	83.0	81.7	W	¾ to 1½					
5 ,,	.652	.713	81.8	79.0	2.8	78.0	.89	82.6	81.6	W b S	0.2					
6 ,,	.659	.751	80.8	78.0	2.8	76.9	.89	81.6	81.5	,,	0.3					
7 ,,	.662	.745	80.2	77.8	2.4	77.2	.90	81.2	81.5	,,	0.4					
8 ,,	.670	.773	80.0	77.5	2.5	76.5	.90	81.1	81.5	WSW	0.3					
9 ,,	.688	.771	80.0	78.0	2.0	77.2	.92	80.8	81.4	,,	0.4					
10 ,,	.702	.787	78.7	77.6	1.1	77.2	.95	79.7	81.2	,,	0.2	0.01				
11 ,,	.690	.750	79.0	78.3	0.7	78.0	.97	80.1	81.1	,,	0.5					
July 29th-Midnight	.684	.758	79·2	78.0	1.2	77.5	.95	80.2	81.1	W b S	½ to 1¾					
1 a. m.	.669	.734	78.4	78.0	0.4	77.7	.98	79.5	81.1	W	¾ to 1½	0.04				
2 ,,	.661	.741	79.0	77.8	1.2	77.3	.95	80.0	81.0	,,	0.8					
3 ,,	.652	.736	79.3	77.8	1.5	77.2	.94	80.1	81.0	,,	0.7					
4 ,,	.650	.728	78.8	77.8	1.0	77.4	.96	79.6	81.0	WSW	½ to 2½	0.03				
5 ,,	.663	.757	78.7	77.1	1.6	76.8	.93	79.6	80.9	W b S	¾ to 1½					
6 ,,	.681	.767	79.1	77.4	1.7	77.1	.93	80.4	80.9	W	½ to 1¾					
7 ,,	.698	.795	79.5	77.5	2.0	76.7	.92	80.4	80.8	WNW	0.4					
8 ,,	.715	.777	80.4	78.6	1.8	77.9	.92	81.2	80.9	W b S	0.3					
9 ,,	.728	.818	81.0	78.1	2.9	77.0	.88	81.2	81.1	,,	0.4					
10 ,,	.738	.859	80.6	77.2	3.4	75.9	.86	80.7	81.2	,,	½ to 1½					
11 ,,	.734	.826	80.8	78.0	2.8	76.9	.89	81.9	81.2	W	½ to 1½					
Noon.	.727	.776	82.2	79.4	2.8	78.4	.89	82.8	81.5	,,	0.4		None.	None.	None.	None.
1 p. m.	.724	.860	82.3	77.3	5.0	75.2	.80	82.2	81.6	,,	0·8					
2 ,,	.703	.786	83.8	79.0	4.8	77.2	.81	83.8	81.7	,,	0.8					
3 ,,	.692	.759	82.4	79.0	3.4	77.8	.86	83.0	81.7	,,	½ to 2	0.01				
4 ,,	.684	.741	82.2	79.2	3.0	78.1	.88	82.8	81.7	,,	0.3					
5 ,,	.684	.786	81.7	78.0	3.7	76.6	.85	82.2	81.6	,,	0.3					
6 ,,	.686	.790	80.8	77.7	3.1	76.5	.87	81.6	81.6	,,	0.4					
7 ,,	.688	.793	80.2	77.5	2.7	76.5	.89	81.1	81.4	,,	0.3					
8 ,,	.700	.805	80.2	77.5	2.7	76.5	.89	81.0	81.4	,,	0.2					
9 ,,	.714	.834	79.7	77.0	2.7	75.9	.89	80.2	81.4	W b S	0.6					
10 ,,	.733	.826	79.4	77.6	1.8	76.9	.92	80.2	81.3	,,	0.4					
11 ,,	.738	.836	77.7	77.0	0.7	76.7	.97	79.0	81.0	WSW	½ to 2½					
July 30th-Midnight	.729	.854	76.6	76.0	0.6	75.8	.97	78.1	80.8	W b S	½ to 2½	00·9				
1 a. m.	.712	.775	78.2	78.0	0.2	77.9	.99	79.2	81.0	WSW	0.2					
2 ,,	.699	.822	77.2	76.2	1.0	75.8	.96	78.0	80.8	W b N	0.7	00·2				
3 ,,	.695	.796	78.0	77.0	1.0	76.6	.96	79.0	80.6	WSW	0.3					
4 ,,	.688	.753	78.4	78.0	0.4	77.8	.98	79.4	80.6	W b S	0·3					
5 ,,	.705	.812	78.1	76.9	1.2	76.4	.94	78.7	80.6	W	0.3	00.2				
6 ,,	.722	.791	78.7	78.0	0.7	77.7	.97	79.8	80.5	W b S	0.1					
7 ,,	.741	.798	79.6	78.5	1.1	78.1	.95	80.7	80.6	,,	0.1		None.	None.	None.	None.
8 ,,	.758	.797	80.6	79·2	1.4	78.7	.94	81.8	80.7	WSW	0.3					
9 ,,	.769	.796	81.8	79.8	2.0	79.1	.92	82.8	81.0	,,	0.2					
10 ,,	.766	.838	81.3	78.6	2.7	77.6	.89	82.0	81.2	,,	0·3	00.1				
11 ,,	.763	.821	83.8	79.5	4.3	78.1	.83	83.8	81.5	W	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
8	C	Overcast with ⌒⌒i, moving E; rain ceased at 0h. 7m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°7 and 82°7. Daily fall of rain by Osler's Gauge 0.27in.
8	H	Overcast; no rain.	
8	H	Overcast; rain and wind commenced at 2h. 45m.	
8	H	Overcast; rain ceased at 3h. 23m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain with gusts of wind at 5h. 22m. & at 5h. 34m. which lasted respectively at 8h. & 3m.	
8	B	Overcast; a few drops of rain at 6h. 40m.	
8	B	Overcast; no rain.	
8	B	Overcast; a shower of rain at 8h. 22m. which lasted 2m.	
8	C	Overcast; light rain commenced at 9h. 50m.	
8	C	Overcast; rain ceased at 10h. 9m.	
8	C	Overcast; light rain at 11h. 14m. which lasted 5m.	
8	C	Overcast; no rain.	
8	H	" "	
8	H	Overcast; light rain at 2h. 53m. which lasted 6m.	
8	H	Overcast; drizzling rain between 3h. 2m. and 3h. 7m.	
8	H	Overcast; no rain.	
8.	B	" "	
8	B	" "	
8	B	Overcast; light shower of rain at 7h. 40m. which lasted 2m.	
6	B	⌒⌒i scattered throughout; a few drops of rain at 8h. 22m.	
8	C	Overcast with ⌒⌒i, moving E; light rain at 9h. 36m. which lasted 5m.	
8	C	Overcast; no rain.	
8	C	Overcast; a shower of rain at 11h. 14m. which lasted 2m.	
7	C	Densely clouded with ⌒⌒i, moving E; a few stars dimly visible here and there; light rain from 0h. 32m. to 0h. 43m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°4 and 84°4. Daily fall of rain by Osler's Gauge 0.08in.
8	H	Overcast; no rain.	
8	H	Overcast; a few drops of rain at 2h. 18m.	
8	H	Overcast; a passing shower of rain at 3h. 40m.	
8	H	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; drizzling rain at 8h. 23m.	
8	C	Overcast; drizzling rain at 9h. 36m.	
8	C	Overcast; drizzling rain at 10h. 21m. which lasted 6m.	
8	C	Overcast; no rain.	
8	C	" "	
8	H	Overcast; drizzling rain at 1h. 5m. which ceased at 1h. 9m.	
8	H	Overcast; light rain at 2h. 5m. which lasted 9m.	
8	H	Overcast; no rain.	
8	H	" "	
8	B	" "	
8	B	" "	
8	B	" "	
7	B	⌒⌒i scattered throughout, moving E.	
8	C	Overcast with ⌒⌒i.	
4	C	⌒⌒i scattered about, moving E; light rain at 10h. 31m. and at 10h. 41m. which lasted respectively 3m.	
8	C	Overcast with ⌒⌒i; light rain from 11h. 36m. which lasted 13m.	
8	C	Overcast with ⌒⌒i, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°4 and 84°4. Daily fall of rain by Osler's Gauge 0.20in.
6	H	Dense and light ⌒⌒i scattered about, moving ENE; rain commenced at 1h. 48m.	
8	H	Overcast; rain ceased at 2h. 17m.	
8	H	Overcast; a break in WNW.	
8	H	Overcast; rain now and then.	
8	B	Overcast; a few drops of rain at 5h. 33m.	
8	B	Overcast with ⌒⌒i, moving E.	
8	B	" "	
7	B	⌒⌒i scattered throughout.	
7	C	⌒⌒i scattered throughout; a shower of rain at 9h. 32m. which lasted 4m.	
6	Q	⌒⌒i around hor., ⌒⌒i and ⌒⌒ scattered about.	
8	C	Overcast with ⌒⌒i, moving E; breaks in SE & S; rain commenced at 11h. 45m.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
July 30th-Noon.	29.755	28.815	81·7	79·0	2·7	78·0	0.89	81·7	81·5	WNW	0.1	0.03				
1 p. m.	.747	.768	84.7	80.7	4.0	79.3	.84	84.2	81.7	„	0.2					
2 „	.728	.749	85.2	80.8	4.4	79.3	.83	84.7	82.0	W	0.2					
3 „	.721	.727	84.6	81.0	3.6	79.7	.86	84.3	82.0	„	0.2	0.02				
4 „	.711	.754	84.0	80.0	4.0	78.6	.84	83.7	82.1	„	0.2					
5 „	.714	.809	82.3	78.3	4.0	76.8	.84	82.0	82.2	WSW	0.2	0.01				
6 „	.722	.776	81.2	79.0	2.2	78.2	.91	82.0	81.9	W b S	0.2		None.	None.	None.	None.
7 „	.728	.805	80.2	78.2	2.0	77.4	.92	81.3	81.8	„	0.1					
8 „	.746	.831	80.2	78.0	2.2	77.2	.91	81.2	81.7	WSW	0.1					
9 „	.758	.828	78.8	78.0	0.8	77.7	.97	80.1	81.5	„	0.1	0.02				
10 „	.768	.836	79.4	78.2	1.2	77.7	.95	80.2	81.5	„	0.1					
11 „	.763	.835	79.0	78.0	1.0	77.6	.96	80.1	81.4	„	0.2					
July 31st-Midnight	.748	.822	79.2	78.0	1.2	77.5	.95	80.1	81.4	W	0.2					
1 a. m.	.730	.814	79.3	77.8	1.5	77.2	.94	80.2	81.5	W b S	0.3					
2 „	.725	.819	79.2	77.5	1.7	76.8	.93	79.8	81.3	WSW	0.4					
3 „	.717	.805	79.0	77.6	1.4	77.1	.94	79.7	81.2	„	0.4					
4 „	.726	.815	78.8	77.5	1.3	77.0	.95	79.4	81.0	„	0.2					
5 „	.726	.797	78.9	78.0	0.9	77.6	.96	79.8	81.0	„	0.1					
6 „	.743	.875	78.7	76.4	2.3	75.5	.90	78.4	80.8	NW	0.3					
7 „	.751	.860	78.7	77.0	1.7	76.3	.93	79.6	80.8	WNW	0.2					
8 „	.760	.802	80.1	79.0	1.1	78.6	.95	81.3	80.8	W	0.1					
9 „	.765	.882	81.3	77.5	3.8	76.0	.85	80.5	81.2	W b N	0.1	0.07				
10 „	.772	.785	84.0	80.7	3.3	79.5	.87	84.2	81.5	WNW	0.2					
11 „	.771	.832	83.8	79.5	4.3	78.0	.83	83.9	81.8	„	0.2		None.	None.	None.	None.
Noon.	.770	.794	86.2	81.0	5.2	79.2	.80	86.0	82·0	„	0.2					
1 p. m.	.749	.782	87.0	81.0	6.0	78.9	.78	86.4	82.3	W	0.3					
2 „	.740	.773	87.0	81.0	6.0	78.9	.78	86.4	82.5	„	0.2					
3 „	.726	.778	84.8	80.0	4.8	78.3	.81	84.9	82.7	„	0.3					
4 „	.718	.809	84.5	79.0	5.5	76.9	.79	84.8	82.5	W b S	0.3					
5 „	.718	.799	83.6	79.0	4.6	77.3	.82	83.6	82.5	WSW	0.2					
6 „	.725	.784	81.6	79.0	2.6	78·0	.89	82.2	82.3	„	0.1					
7 „	.733	.818	80.2	78.0	2.2	77.2	.91	81.1	82.1	„	0.1					
8 „	.748	.866	79.5	77.0	2.5	76.0	.90	80.3	81.9	W b S	0.1					
9 „	.759	.856	79.5	77.5	2.0	76.7	.92	80.4	81.8	„	0.1					
10 „	.757	.839	79.5	77.9	1.6	77.3	.93	80.4	81.7	WSW	0.1					
11 „	.748	.827	79.6	78.0	1.6	77.4	.93	80.8	81.6	W b S	0.2					
Aug. 2nd-Midnight	.740	.866	77.1	76.1	0.1	75.7	.96	78.5	81.3	SW	0.2					
1 a. m.	.725	.832	76.8	76.5	0.3	76.4	.99	77.7	81.0	SSW	0.2	0.04				
2 „	.711	.829	76.0	76.0	0.0	76.0	1.00	77.2	80.8	SW	0.3	0.30				
3 „	.700	.800	76.5	76.6	0.1	76.6	.00	78.0	80.8	„	0.3	0·01				
4 „	.691	.790	76.8	76.7	0.1	76.7	.00	78.0	80.7	„	0.1	0·01				
5 „	.690	.808	76.0	76.0	0.0	76.0	.00	77.0	8.05	„	0.1	0.13				
6 „	.703	.850	75.8	75.2	0.6	75.0	0.97	76.4	80.5	„	½ to 1	0·16				
7 „	.729	.821	77.2	77.0	0.2	76.9	.99	77.7	80.4	WNW	¼ to 1¼	0·07				
8 „	.744	.817	77.6	77.6	0.0	77.6	1.00	78·4	80.4	NW	0.2					
9 „	.750	.805	7.82	78.2	0.0	78.2	.00	79.2	80.4	W	0.1	0.12				
10 „	.744	.793	78.4	78.4	0.0	78.4	.00	79.5	80.4	„	0.1	0.10				
11 „	.738	.743	79.8	79.8	0.0	79.8	.00	81.0	80.6	WSW	0.1	0·06	None.	None.	None.	None.
Noon.	.728	.752	80.4	79.5	0.9	79.2	0.96	81.2	80.7	„	0.1	0.11				
1 p. m.	.702	.743	79.6	78.9	0.7	78.6	.97	80.2	80.8	W	0.1	0.01				
2 „	.690	.727	79.6	79.0	0.6	78.8	.97	80.3	80.9	„	0.0	0.01				
3 „	.679	.699	80.0	79.5	0.5	79.3	.98	80.8	81.0	„	0.1					
4 „	.676	.700	80.4	79.5	0.9	79.2	.96	81·1	81.0	„	0.2					
5 „	.684	.728	79.9	78.9	1.0	78.5	.96	80.4	81.0	„	0.1					
6 „	.691	.744	79.6	78.6	1.0	78.2	.96	80.2	81.0	„	0.2					
7 „	.707	.781	79.2	78.0	1.2	77.5	.95	80.1	81.0	„	0·2					
8 „	.717	.792	78.9	77.9	1.0	77.5	.96	79.8	81.0	„	0.1					
9 „	.725	.818	78.8	77.4	1.4	76.9	.94	79.7	80.9	WSW	0.1					
10 „	.729	.816	78.9	77.6	1.3	77.1	.95	79.8	80.8	„	0.1					
11 „	.720	.815	78.6	77.3	1.3	76.8	.95	79.5	80.7	„	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
8	C	Clouded as before; rain ceased at 12h. 22m.	
7	H	Densely clouded with ; a passing shower of rain at 1h. 12m.	
7	H	Clouded as before; rain at 2h. and 2h. 17m. which lasted respectively at 12m. and 8m.	
5	H	scattered about.	
7	H	Densely clouded with loose ; a shower of rain at 4h. 55m. which lasted 3m.	
6	B	scattered about.	
7	B	Densely clouded with .	
8	B	Overcast with .	
5	B	scattered about; light rain at 8h. 18m. which lasted 9m.	
4	C	scattered about, moving E.	
4	C	" "	
7	C	" "	
8	C	Overcast with , moving E,	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°4 and 84°4. Daily fall of rain by Osler's Gauge 0.11in.
7	H	Densely clouded with .	
6	H	scattered throughout.	
5	H	"	
3	H	and scattered about, both moving E; a lunar-halo.	
8	B	Overcast with and , former moving E.	
7	B	Densely clouded with .	
7	B	Densely clouded with ; drizzling rain between 7h. 15m. and 7h. 20m.	
7	B	and scattered throughout; in N.	
6	C	and scattered about, light rain between 9h. and 9h. 5m.	
6	C	around hor.; scattered about.	
8	C	Densely clouded with , , and .	
6	C	, , and scattered throughout.	
6	H	scattered throughout; in NE.	
6	H	scattered throughout, moving E.	
7	H	" "	
4	H	" "	
5	C	arround hor.; and scattered about.	
7	C	Densely clouded with and , former moving E.	
7	C	scattered throughout, moving E.	
3	C	scattered about hor. and in E hem.	
5	C	scattered about, moving E.	
4	C	" "	
7	C	" "	
8	B	Overcast with , moving E; rain commenced a little before midnight and ceased at 0h. 22m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°3 and 84°4. Daily fall of rain by Osler's Gauge 1.13in. at 6 A. M. the Temperature of Free Air was lowest, and about 3°0 lower than the Normal Mean.
8	C	Overcast; rain commenced at 1h. 10m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; rain ceased at 3h. 14m.	
8	C	Overcast; rain commenced at 4h. 22m.	
8	H	Overcast; rain ceased at 5h. 7m. but re-commenced at 5h. 38m.	
8	H	Overcast with , moving ENE; rain ceased at 6h. 17m. but re-commenced at 6h. 40m.	
8	H	Overcast; drizzling rain falling.	
8	H	Overcast; raining lightly.	
8	B	Overcast; raining very lightly.	
8	B	" "	
8	B	Overcast with , moving E; rain ceased at 11h. 30m. but re-commenced at 11h. 38m.	
8	B	Overcast; light drizzling rain.	
8	C	" "	
8	C	" "	
8	C	Overcast with , moving ENE; light drizzling rain ceased at 3h. 38m.	
8	C	Overcast.	
8	H	"	
8	H	"	
8	H	"	
7	H	Densely clouded with .	
8	B	Overcast with , moving E.	
5	B	scattered about, moving E.	
5	B	scattered about; a shower of rain at 11h. 55m. which lasted 3m.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 3rd-Midnight	29.706	28.791	78°5	77°5	1°0	77°2	0.96	79°4	80°7	SW	0·1					
1 a. m.	.684	.754	78.1	77.8	0.3	77.7	.99	79.2	80.6	W S W	0·1					
2 „	.662	.760	77.7	77.0	0.7	76.7	.97	78.1	80.6	„	0.1	0·06				
3 „	.659	.745	77.4	77.2	0.2	77.1	.99	78.2	80.5	SW b W	0.1	0·04				
4 „	.661	.738	78.0	77.6	0.4	77.4	.98	78.8	80.5	S W	0.2					
5 „	.665	.746	78.0	77.5	0.5	77.3	.98	78.7	80.5	W b S	0.2					
6 „	.687	.773	77.4	77.2	0.2	77.2	.99	78.4	80.3	„	0.2					
7 „	.711	.805	77.4	77.0	0.4	76.8	.98	78.2	80.3	„	0.2					
8 „	.721	.815	77.4	77.0	0.4	76.8	.98	78.2	80.2	W	0·1	0·01				
9 „	.732	.795	78.9	78.2	0.7	77.9	.97	79.9	80.2	WNW	0·1	0·17				
10 „	.720	.755	80.2	79.2	1.0	78.8	.96	81.2	80.4	SW	0.1		None.	None.	None.	None.
11 „	.713	.794	78.7	77.7	1.0	77.3	.96	79.7	80.4	WNW	0·1	0·22				
Noon.	.700	.703	82.3	80.5	1.8	79.9	.93	82.9	80.7	W	0·1					
1 p. m.	.677	.730	82.6	79.4	3.2	78.2	.87	82.2	81.2	W b S	0.1					
2 „	.662	.637	84.1	81.6	2.5	80.7	.90	84.4	81.3	„	0·2	0.01				
3 „	.651	.665	84.1	80.7	3.4	79.5	.87	84.1	81.6	WSW	0.2					
4 „	.641	.725	82.0	78.5	3.5	77.2	.87	82.1	81.7	W b S	0·2					
5 „	.651	.707	81.7	79.1	2.6	78.1	.89	82.2	81.6	WSW	0·2					
6 „	.656	.745	80.5	78.0	2.5	77.0	.90	81.2	81.5	SW b W	0·4					
7 „	.678	.775	79.5	77.5	2.0	76.7	.92	80.2	81.4	SW	0.3					
8 „	.689	.783	79.2	77.5	1.7	76.8	.94	80.0	81.2	SW b W	0.4					
9 „	.706	.829	77.2	76.2	1.0	75.8	.96	78.2	80.9	SW	0.0	0·16				
10 „	.711	.800	77.7	77.2	0.5	77.0	.98	78.7	80.7	„	0.1					
11 „	.700	.771	78.2	77.8	0.4	77.6	.98	79.2	80.7	S	0.2					
Aug. 4th-Midnight	.684	.763	78.1	77.6	0.5	77.4	.97	79.1	80.7	S b W	0.2					
1 a. m.	.672	.764	76.8	76.9	0.1	76.9	1.00	78.1	80.5	SSW	0.1	0·15				
2 „	.653	.731	77.4	77.4	0.0	77.4	.00	78.2	80.5	WSW	0.1					
3 „	.649	.736	76.7	77.0	0.3	77.1	.00	77.7	80.4	W	0.0	0.34				
4 „	.649	.725	77.2	77.4	0.2	77.5	.00	78.2	80.3	„	0.0					
5 „	.648	.712	77.9	77.9	0.0	77.9	.00	78.8	80.4	„	0.3					
6 „	.678	.754	77.2	77.4	0.2	77.5	.00	78.3	80.2	„	0.2	0.02				
7 „	.699	.761	78.9	78.0	0.1	77.9	.00	79.0	80.2	WSW	0.4					
8 „	.721	.789	78.6	78.0	0.6	77.7	0.97	79.0	80.3	W	0.2	0.01				
9 „	.735	.805	77.7	77.7	0.0	77.7	1.00	78.8	80.2	„	0.1	0.40				
10 „	.737	.810	77.6	77.6	0.0	77.6	.00	78.1	80.2	WNW	0.1	0.21				
11 „	.736	.760	78.4	79.0	0.6	79.2	.00	79.3	80.2	NW	0.1	0.10				
Noon.	.728	.752	79.2	79.2	0.0	79.2	.00	80.1	80.3	W	0.1	0.02				
1 p. m.	.696	.698	79.9	79.9	0.0	79.9	.00	80.7	80.5	WSW	0.1		None.	None.	None.	None.
2 „	.682	.630	80.9	81.4	0.5	81.6	.00	82.3	80.5	W	0.3	0·06				
3 „	.670	.656	82.7	81.0	1.7	80.4	0.93	83.2	81.0	WSW	0.3					
4 „	.658	.675	81.6	80.0	1.6	79.4	.93	82.0	81.0	„	0.2					
5 „	.653	.776	80.0	77.0	3.0	75.8	.88	80.2	81.0	„	¼ to 1	0·01				
6 „	.675	.801	78.5	76.5	2.0	75.7	.92	79.0	80.9	SW b W	0.3	0.01				
7 „	.679	.742	78.2	78.0	0.2	77.9	.99	79.2	80.6	„	0.2	0.01				
8 „	.709	.810	78.0	77.0	1.0	76.6	.96	79.0	80.5	WSW	0.2					
9 „	.718	.798	78.6	77.7	0.9	77.3	.96	79.6	80.6	„	0.2					
10 „	.728	.804	77.9	77.6	0.3	77.5	.99	78.8	80.5	„	½ to 1	0·02				
11 „	.710	.805	78.2	77.2	1.0	76.8	.96	79.1	80.5	„	0.2					
Aug. 5th-Midnight	.702	.800	78.5	77.2	1.3	76.7	.95	79.3	80.5	WSW	0.2					
1 a. m.	.682	.773	78.2	77.3	0.9	76.9	.96	79.0	80.4	„	0 to 1½					
2 „	.661	.755	77.4	77.0	0.4	76.8	.98	78.2	80.3	„	½ to ¾					
3 „	.657	.724	77.8	77.8	0.0	77.8	1.00	78.9	80.2	„	0.3					
4 „	.651	.747	77.5	77.0	0.5	76.8	0.98	78.2	80.2	„	0 to 1		None.	None.	None.	None.
5 „	.651	.716	78.4	7.80	0.4	77.8	.98	79.2	80.2	„	½ to 1½	0.01				
6 „	.673	.745	79.0	78.0	1.0	77.6	.96	79.6	80.2	„	0 to 1					
7 „	.680	.751	79.3	78.1	1.2	77.6	.95	79.9	80.3	„	½ to 1					
8 „	.690	.733	80.2	79.0	1.2	78.6	.95	80.9	80.4	„	0.6					
9 „	.712	.730	81.0	79.8	1.2	79.4	.95	82.4	80.6	„	0.3					
10 „	.716	.816	81.5	78.0	3.5	76.6	.86	81.6	80.9	„	½ to 1	0·09				
11 „	.718	.787	81.4	78 7	2.7	77.7	.89	82.5	80.8	„	½ to 2¾	0·08				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
4	B	scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°3 and 84°3. Daily fall of rain by Osler's Gauge 0.66in.; the reading of the Wet Bulb Thermometer at 2 P. M. was 81°6 greatest in the month, and only 1°5 greater than the Normal Mean.
5	C	" "	
8	C	Overcast with ; rain commenced at 2h. 2m. and ceased at 2h. 37m.	
8	C	Overcast; no rain.	
8	C	" "	
8	H	" "	
8	H	Overcast; drizzling rain from 6h. 14m. to 6h. 22m.	
8	H	Overcast; drizzling rain commenced at 7h. 5m.	
8	H	Overcast; rain ceased at 8h. 50m.	
8	B	Overcast; drizzling rain from 9h. 29m. to 9h. 40m.	
8	B	Overcast; rain commenced at 10h. 37m.	
8	B	Overcast; rain ceased at 11h. 11m.	
8	B	Overcast; a break in S; rain commenced at 12h. 58m.	
8	C	Overcast; rain ceased at 1h. 23m.	
7	C	scattered throughout.	
8	C	Overcast; a few drops of rain at 3h. 2m.	
8	C	Overcast; no rain.	
7	H	Densely clouded with and fleacy clouds.	
6	H	and fleacy clouds scattered throughout.	
8	H	Overcast with , moving NE.	
7	H	scattered throughout; showers of rain.	
8	B	Overcast; rain ceased at 9h. 4m.	
4	B	scattered about; no rain.	
5	B	scattered about, moving ENE.	
8	B	Overcast with , moving ENE; showers of rain.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°1 and 84°3. On this day the External and Free Air was completely saturated with moisture; the Temperature of calculated Dew-Point at 2 P. M. was greatest in the month.
7	C	scattered throughout; break about zth.	
7	C	scattered throughout; break about zth.; light rain from 2h. 21m. to 2h. 48m.	
8	C	Overcast with	
7	C	scattered throughout.	
8	H	Overcast; light rain at 5h. 12m. which lasted 15m.	
8	H	Overcast; drizzling rain from 6h. 17m. to 6h. 30m.	
8	H	Overcast; drizzling rain commenced at 7h. 56m.	
8	H	Overcast with , moving E; raining lightly	
8	B	" " "	
8	B	Overcast with , moving ENE; raining.	
8	B	" " "	
8	B	" " "	
8	C	Overcast with , moving NE; rain ceased at 1h. 41m.	
8	C	Overcast; breaks in SW and about zth.	
7	C	scattered throughout; light rain at 3h. 18m. which lasted 10m.	
8	C	Overcast with ; no rain.	
8	H	Overcast with and fleacy clouds, both moving E; light rain commenced at 5h. 54m.	
8	H	Overcast; rain ceased at 6h. 12m.	
7	H	Densely clouded with and fleacy clouds, moving E; light rain at 7h. 27m. which lasted 9m.	
7	H	scattered throughout, moving E.	
6	B	scattered throughout; shower of rain at 9h. 31m. which lasted 4m.	
7	B	scattered throughout.	
8	B	Overcast with , moving E.	
7	B	Densely clouded with , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°2. Daily fall of rain by Osler's Gauge 0.62in.
8	C	Overcast with , moving ENE.	
8	C	Overcast with , moving NE.	
8	C	Overcast with , moving NNE.	
8	C	Overcast; showers of rain at 4h. 4m. and 4h. 30m. both of which lasted 4m.	
8	H	Overcast with , moving NE.	
8	H	" "	
8	H	" "	
8	H	Overcast; a break in S.	
7	B	scattered throughout.	
8	B	Overcast with , moving ENE; rain commenced at 10h. 3m. and ceased at 10h. 14m.	
8	B	Overcast; a break in SW; rain commenced at 11h. 22m. and ceased at 11h. 58m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Now man's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 5th–Noon.	29.704	28.759	78°7	78°3	0°4	78°3	0.98	79°9	80°7	WSW	½ to 1½	0.39				
1 p. m.	.690	.741	79.8	78.7	1.1	78.3	.95	80.6	80.7	„	½ to 1½	0.06				
2 „	.668	.727	81.6	79.0	2.6	78.0	.89	81.9	81.0	„	½ to 2½					
3 „	.655	.646	83.2	81.0	2.2	80.2	.91	82.9	81.3	„	0.4					
4 „	.644	.673	82.7	80.0	2.7	79.0	.89	82.8	81.4	„	0.3					
5 „	.644	.690	81.2	79.2	2.0	78.5	.92	81.8	81.3	„	0.4		None.	None.	None.	None.
6 „	.658	.783	80.2	77.0	3.2	75.8	.87	80.5	81.3	„	½ to 1					
7 „	.666	.728	80.0	78.5	1.5	77.9	.94	80.8	81.2	„	½ to 1					
8 „	.688	.771	80.0	78.0	2.0	77.2	.92	80.7	81.1	„	0.2					
9 „	.696	.776	79.8	78.0	1.8	77.3	.93	80.5	81.0	„	0.3					
10 „	.714	.785	80.0	78.3	1.7	77.6	.93	80.7	81.0	SW b W	0.2					
11 „	.702	.764	80.0	78.5	1.5	77.9	.94	80.7	81.0	„	0.3					
Aug. 6th–Midnight	.682	.748	79.9	78.4	1.5	77.8	.94	80.6	81.0	SW	0.3					
1 a. m.	.663	.806	78.6	76.1	2.5	75.1	.90	79.6	80.9	„	0 to ½					
2 „	.637	.716	79.6	78.0	1.6	77.4	.93	80.1	80.9	WSW	½ to 1½					
3 „	.629	.730	78.0	77.0	1.0	76.6	.96	79.0	80.6	„	1 to ½					
4 „	.632	.693	78.4	78.1	0.3	78.0	.99	79.2	80.6	„	½ to 1½	0·01				
5 „	.638	.731	78.8	77.4	1.4	76.9	.94	79.8	80.6	„	½ to ¾					
6 „	.666	.740	79.2	78.0	1.2	77.5	.95	80.0	80.6	„	½ to 1					
7 „	.682	.837	79.4	76.0	3.4	74.7	.86	80.6	80.6	„	½ to 1½					
8 „	.694	.806	79.0	77.0	2.0	76.2	.92	80.0	80.5	„	0 to ¾	0·01				
9 „	.703	.807	80.4	77.6	2.8	76.5	.89	80.8	80.6	„	½ to 2½					
10 „	.711	.820	79.5	77.2	2.3	76.3	.89	80.5	80.6	„	0.3					
11 „	.702	.727	82.4	80.0	2.4	79.2	.90	82.8	80.8	„	0.3		None.	None.	None.	None.
Noon.	.690	.734	84.1	80.0	4.1	78.5	.84	84.5	81.3	„	0.3					
1 p. m.	.674	.741	80.0	78.4	1.6	77.8	.93	80.5	81.0	SW	0.3	0.05				
2 „	.657	.694	82.3	79.7	2.6	78.8	.89	82.0	81.3	WSW	0.4					
3 „	.642	.672	82.8	80.0	2.8	79.0	.89	82.5	81.5	„	¼ to 1					
4 „	.630	.682	81.0	79.0	2.0	78.3	.92	80.9	81.5	„	¼ to 2	0.06				
5 „	.631	.687	81.4	79.0	2.4	78.1	.90	81.2	81.5	„	0.6					
6 „	.640	.763	80.0	77.0	3.0	75.8	.88	79.9	81.5	„	½ to 2					
7 „	.648	.737	79.8	77.8	2.0	77.0	.92	79.9	81.3	SW b W	0.6					
8 „	.664	.747	80.0	78.0	2.0	77.2	.92	80.0	81.3	„	0.4					
9 „	.677	.795	78.5	76.7	1.8	76.0	.92	78.6	81.1	„	0 to ¾					
10 „	.680	.765	79.1	77.7	1.4	77.2	.94	79.3	81.1	WSW	0 to 1					
11 „	.680	.756	79.4	78.0	1.4	77.5	.94	79.5	81.0	„	0.3					
Aug. 7th–Midnight	.665	.751	79.5	77.8	1.7	77.1	.93	79.6	81.0	WSW	0.3					
1. a. m.	.645	.744	78.9	77.3	1.6	76.7	.93	78.9	80.9	„	0.5					
2 „	.634	.729	79.3	77.5	1.8	76.8	.92	79.4	80.9	„	0.7					
3 „	.627	.708	79.4	77.9	1.5	77.3	.94	79.4	80.8	„	0.5					
4 „	.626	.715	78.8	77.5	1.3	77.0	.95	78.8	80.7	„	½ to 1					
5 „	.626	.728	78.8	77.2	1.6	76.6	.93	79.0	80.7	„	½ to 4					
6 „	.649	.767	77.4	76.4	1.0	76.0	.96	77.5	80.5	„	½ to 1	0·01				
7 „	.674	.781	76.8	76.5	0.3	76.4	.99	77.4	80.4	„	½ to 2½	0.07				
8 „	.690	.797	77.8	76.8	1.0	76.4	.96	77.8	80.3	„	¾ to 3½	0·01				
9 „	.702	.796	79.9	77.7	2.2	76.8	.91	79.7	80.4	„	½ to 1½					
10 „	.705	.782	80.2	78.2	2.0	77.4	.92	80.3	80.4	„	½ to 1					
11 „	.708	.754	82.4	79.5	2.9	78.5	.88	82.2	80.8	„	½ to 1		None.	None.	None.	None.
Noon.	.695	.701	83.8	80.8	3.0	79.8	.88	83.4	81.2	„	0.3					
1 p. m.	.684	.730	84.3	80.0	4.3	78.5	.83	83.4	81.5	„	0.7					
2 „	.677	.720	84.0	80.0	4.0	78.6	.84	82.8	81.7	„	0.5					
3 „	.666	.699	83.1	80.0	3.1	78.9	.88	82.6	81.7	„	½ to 1½					
4 „	.655	.692	82.0	79.6	2.4	78.8	.90	81.6	81.6	„	0.6					
5 „	.656	.743	80.8	78.0	2.8	76.9	.89	80.5	81.6	„	0.3					
6 „	.678	.747	80.2	78.4	1.8	77.7	.92	80.1	81.5	„	½ to 1½					
7 „	.684	.767	80.0	78.0	2.0	77.2	.92	79.8	81.5	„	½ to 1½					
8 „	.700	.753	79.2	78.5	0.7	78.2	.97	79.5	81.2	„	½ to 1	0·01				
9 „	.710	.802	79.0	77.5	1.5	76.9	.94	78.2	81.1	„	½ to 2	0.03				
10 „	.727	.769	78.6	78.6	0.0	78.6	1.00	78.9	81.0	„	0.6					
11 „	.716	.758	78.6	78.6	0.0	78.6	.00	79.0	81.0	„	¼ to ¾					

Amount of Clouds. 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	B	Overcast; light rain from 0h. 27m. to 0h. 41m.	
8	C	Overcast with ≈, moving ENE.	
8	C	" "	
7	C	≈ around hor.; dense ≈ scattered throughout, moving NE.	
8	C	Overcast with ≈ and ≈, both moving ENE.	
8	H	Overcast with ≈, moving ENE.	
8	H	" "	
8	H	" "	
3	H	≈ scattered about hor., moving ENE.	
4	B	Masses of ≈ scattered about, moving ENE.	
8	B	Overcast with ≈, moving E.	
8	B	" "	
8	B	Overcast with ≈, moving ENE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.12in.
8	C	" "	
8	C	Overcast; a passing shower of rain at 2h. 15m.	
8	C	Overcast; very light rain from 3h. 27m. to 3h. 51m.	
8	C	Overcast; a few stars dimly visible in NW; a shower of rain at 4h. 6m. which lasted 6m.	
8	H	Overcast; no rain.	
8	H	" "	
8	H	Overcast with ≈, moving NE; light shower of rain at 7h. 2m. which lasted 5m.	
8	H	Overcast with ≈; no rain.	
8	B	" "	
8	B	Overcast with ≈, moving ENE.	
7	B	Nearly overcast; a few patches of ≈ in SW.	
7	B	≈ and ≈ scattered throughout, both moving ENE; rain from 12h. 17m. to 12h. 34m.	
8	C	Overcast with ≈, moving NE.	
8	C	" "	
8	C	Overcast with ≈, moving ENE; very light rain from 3h. 47m.	
8	C	Overcast; rain ceased at 4h. 6m.	
8	H	Overcast; a few drops of rain at 5h. 55m.	
8	H	Overcast with ≈, moving NE.	
8	H	" "	
8	H	Densely clouded with ≈; a few drops of rain at 8h. 24m.	
8	B	Overcast; drizzling rain at 9h. 36m. which lasted 4m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast with ≈, moving NE; a shower of rain at 0h. 44m. which lasted 5m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 84°0. Daily fall of rain by Osler's Gauge 0.15in.
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast with ≈, moving ENE.	
6	C	≈ scattered throughout, except in zth.	
8	H	Overcast with ≈, moving E; light rain from 5h. 14m. to 5h. 25m.	
8	H	Overcast with ≈; a few patches of ≈ about zth.; motion of ≈ was NE; rain from 6h. to 6h. 30m.	
8	H	Overcast with ≈, moving E; rain commenced at 7h. 55m.	
8	H	Overcast; rain ceased at 8h. 7m.	
8	B	Overcast; big drops of rain at 9h. 6m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≈, moving ENE.	
6	B	≈ and ≈ scattered throughout, former moving ENE.	
5	C	" " "	
8	D	Overcast with ≈, moving ENE; light drizzling rain at 2h. 3m.	
8	C	Overcast; a shower of rain at 3h. 16m. which lasted 2m.	
8	C	Overcast; a shower of rain at 4h. 50m. which lasted 5m.	
7	H	≈ and ≈ scattered throughout, former moving NE; a passing shower of rain at 5h. 10m.	
8	H	Overcast with ≈, moving NE.	
8	H	Overcast; light rain from 7h. 7m. to 7h. 25m.	
7	H	Densely clouded with ≈; rain commenced at 8h. 56m.	
8	H	Overcast with ≈, moving E; rain ceased at 9h. 22m.	
8	H	Overcast; drizzling rain from 10h. 32m. to 10h. 45m.	
8	H	Overcast; no rain.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 feet in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 9th-Midnight	29.707	28.780	79°8	78°2	1°6	77°6	0.93	79°9	81°2	W	0.4					
1 a. m.	.690	.771	79.8	78.0	1.8	77.3	.92	79.8	81.0	„	½ to 1					
2 „	.673	.764	79.6	77.7	1.9	76.9	.92	79.7	81.0	„	½ to 1					
3 „	.660	.732	79.0	78.0	1.0	77.6	.96	79.0	81.0	„	0.8					
4 „	.650	.682	79.2	79.0	0.2	78.9	.99	79.4	80.9	„	0.5					
5 „	.650	.758	78.6	77.0	1.6	76.4	.93	79.0	80.9	„	½ to 2					
6 „	.678	.785	79.3	77.2	2.1	76.4	.91	79.4	80.8	„	0.3					
7 „	.682	.820	79.2	76.4	2.8	75.3	.88	79.8	80.7	„	0.4					
8 „	.703	.850	79.0	76.1	2.9	75.0	.88	79.2	80.7	„	½ to 1					
9 „	.710	.812	80.2	77.6	2.6	76.6	.89	80.3	80.7	„	½ to 2					
10 „	.712	.798	82.6	78.6	4.0	77.1	.84	82.2	81.0	„	0.2					
11 „	.706	.782	83.9	79.2	4.7	77.5	.82	83.2	81.3	„	0.2					
Noon.	.697	.769	83.3	78.9	4.4	77.6	.83	82.5	81.4	NW	0.2	Immeasurable.	None.	None.	None.	None.
1 p. m.	.674	.745	80.9	78.5	2.4	77.6	.90	80.3	81.4	W	0.2					
2 „	.662	.706	84.1	80.0	4.1	78.5	.84	83.1	81.7	„	0·2					
3 „	.651	.688	85.0	80.4	4.6	78.8	.82	83.7	82.0	„	0·3					
4 „	.635	.713	83.7	79.1	4.6	77.4	.82	83.0	82.0	„	0·2					
5 „	.634	.706	82.8	79.0	3.8	77.6	.85	82.1	82.0	„	0·4					
6 „	.648	.752	81.2	77.8	3.4	76.5	.86	81.0	81.8	WSW	0·3					
7 „	.652	.748	80.4	77.8	2.6	76.8	.89	80.5	81.6	„	0·2					
8 „	.664	.760	80.4	77.8	2.6	76.8	.89	80.3	81.6	„	0·4					
9 „	.676	.775	80.3	77.7	2.6	76.7	.89	80.2	81.5	„	0·2					
10 „	.678	.777	80.3	77.7	2.6	76.7	.89	80.2	81.5	„	0·2					
11 „	.670	.772	80.2	77.6	2.6	76.6	.89	80.1	81.5	„	0·4					
Aug. 10th-Midnight	·660	.766	79.9	77.4	2.5	76.4	.90	79.8	81.4	WSW	0.3					
1 a. m.	.647	.763	79.4	77.0	2.4	76.1	.90	79.2	81.2	„	0.3					
2 „	·632	·759	76.8	76.0	0.8	75.7	.96	76.5	80.9	WNW	½ to 4	0.01				
3 „	.622	.704	77.8	77.4	0.4	77.3	.98	78.4	80.7	WSW	0.4					
4 „	.621	.728	78.5	77.0	1.5	76.4	.94	78.7	80.7	W	0.3					
5 „	.629	.769	78.0	76.0	2.0	75.2	.92	78.0	80.6	„	0.8					
6 „	.647	.785	77.8	76.0	1.8	75.9	.92	77.8	80.5	WSW	½ to 1½					
7 „	·655	.784	78.4	76.4	2.0	75.6	.92	78.5	80.6	W b S	0.5					
8 „	.666	.747	79.8	78.0	1.8	77.3	.92	79.9	80.6	„	0.4					
9 „	.670	.773	80.3	77.6	2.7	76.5	.89	80·2	80.8	W b N	0.3	0.03				
10 „	.672	.766	81.0	78.0	3.0	76.8	.88	80.8	80.8	„	¼ to ½					
11 „	.677	.718	82.7	79.7	3.0	78.6	.88	80.5	81.1	W	¼ to 1		None.	None.	None.	None.
Noon.	.666	.697	82.9	80.0	2.9	79.0	.88	82.0	81.5	„	0.2					
1 p. m.	.644	.712	80.6	78.5	2.1	77.7	.91	80.0	81.4	WNW	0.2	0.12				
2 „	·626	.700	79.2	78.0	1.2	77.5	.95	78.5	81.3	„	¼ to 1½	0.03				
3 „	.599	.689	78.9	77.5	1.4	77.0	.94	78.6	81.2	W b N	0.2	0.04				
4 „	.590	.674	78.6	77.6	1.0	77.2	.96	78.4	81.1	„	0.4	0.09				
5 „	·592	.665	79.8	78.2	1.6	77.2	.93	79.5	81.1	„	0.3	0.01				
6 „	.603	.702	77.8	77.0	0.8	76.7	.97	78.0	81.0	„	¼ to 1	0.02				
7 „	.611	.728	78.4	76.7	1.7	76.0	.93	78.5	81.0	„	0·4					
8 „	.629	.736	78.5	77.0	1.5	76.4	.94	78.8	80.8	W	0·1					
9 „	.645	.779	78.5	76.3	2.2	75.4	.91	78.2	80.7	W b S	0.2					
10 „	.658	.741	78.5	77.6	0.9	77.2	.96	78.2	80.6	„	0·1					
11 „	.654	.740	78.5	77.5	1.0	77.1	.96	78.6	80.7	„	0·2					
Aug 11th-Midnight	.648	.732	78.6	77.6	1.0	77.2	.96	78.9	80.7	W b S	0.2					
1 a. m.	.632	.710	78.5	77.7	0.8	77.4	.96	78.8	80.6	W	0.2					
2 „	.625	.726	78.0	77.0	1.0	76.6	.96	78.0	80.5	W b N	0.4					
3 „	.619	.701	77.4	77.3	0.1	77.3	1.00	79.2	80.4	NW b W	½ to 1½	0.14				
4 „	.617	.694	78.0	77.6	0.4	77.4	0.98	78.0	80.3	WNW	0.3	0.03				
5 „	.629	.711	78.4	77.6	0.8	77.3	.97	78.4	80.5	W	0.5					
6 „	.658	.740	78.4	77.6	0.8	77.3	.97	78.6	80.4	„	0.4		None.	None.	None.	None.
7 „	.673	.745	79.0	78.0	1.0	77.6	.96	79.0	80.4	„	0.4					
8 „	.688	.777	80.5	78.0	2.5	77.0	.90	80.6	80.5	„	0·3					
9 „	.702	.748	82.4	79.5	2.9	78.5	.88	82.0	80.8	„	0·2					
10 „	.701	.769	81.4	78.7	2.7	77.7	.89	81.4	80.9	„	½ to ¾					
11 „	.705	.773	83.6	79.3	4.3	77.7	.83	83.0	81.2	„	½ to ¾					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
7	B	≀∪ scattered throughout, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 84°0.
8	C	Overcast with ≀∪, moving ENE.	
7	C	" "	
8	C	Densely clouded with ≀∪.	
8	C	Overcast with ≀∪.	
8	H	Overcast.	
8	H	Overcast; a few drops of rain at 6h. 7m.	
8	H	Overcast; no rain.	
8	H	" "	
7	B	≀∪ scattered throughout.	
8	B	Overcast with ≀∪, moving E.	
7	B	≀∪ scattered throughout; a few patches of ≀≀ in E.	
8	B	Overcast with ≀∪; breaks in SSE; drizzling rain between 12h. 52m. & 12h. 56m.	
8	C	Overcast; no rain.	
8	C	Overcast; breaks in SE and SW.	
7	C	≀∪ and ≀≀ scattered throughout.	
8	C	Overcast with ≀∪ and ≀≀, both moving E.	
5	G M	≀∪ scattered about; ≀≀ in E.	
8	G M	≀∪ scattered about, moving ENE.	
8	G M	Overcast; drizzling rain at 7h. 5m. which lasted 1m.	
8	G M	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast with ≀∪, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 84°0. Daily fall of rain by Osler's Gauge 0.33; the Height of Barometer a 4 P.M. was least during the month, and lesser than the Normal Mean by 0.095in.
8	C	Overcast; rain commenced at 1h. 20m.	
8	C	Overcast; rain ceased at 2h. 16m.	
8	C	Overcast; no rain.	
6	C	≀∪ scattered throughout.	
8	G M	Overcast with ≀∪.	
8	G M	"	
8	G M	"	
8	G M	Overcast; a break in S; light rain at 8h. 39m. which lasted 6m.	
7	B	Densely clouded; no rain.	
8	B	Overcast; no rain	
8	B	Overcast; breaks in SE and S; drizzling rain at 11h. 56m. which lasted 2m.	
8	B	Overcast with ≀∪ and ≀≀; breaks in S and SW; a shower of rain from 12h. 27m. to 12h. 34m.	
8	C	Overcast; drizzling rain at full hour which lasted 5m. but re-commenced at 1h. 44m.	
8	C	Overcast; rain ceased at 2h. 19m. but re-commenced at 2h. 51m.	
8	C	Overcast; rain ceased at 3h. 4m. but re-commenced rather heavily at 3h. 39m. which lasted 11m.	
8	C	Overcast; drizzling rain between 4h. 6m. and 4h. 20m.	
8	G M	Overcast; breaks in S and about zth.; rain between 5h. 26m. to 5h. 35m.	
8	G M	Overcast; no rain	
8	G M	" "	
8	G M	Overcast; light drizzling rain at 8h. 25m. which lasted 3m.	
8	B	Overcast; a few drops of rain at 9h. 2m.	
6	B	≀∪ scattered about; drizzling rain at 10h. 18m. which lasted 5m.	
6	B	Overcast; a few drops of rain at 11h. 4m.	
8	B	Overcast with ≀∪, moving E; drizzling rain at 0h. 20m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 84°0. Daily fall of rain by Osler's Gauge 0.17in.
5	C	≀∪ scattered about; a shower of rain at 1h. 37m. which lasted 2m.	
8	C	Overcast; a shower of rain at 2h. 49m. which lasted 2m.	
8	C	Overcast; rain commenced at 3h. and ceased at 3h. 34m.	
8	C	Overcast; a few stars visible about zth.	
8	G M	Overcast.	
8	G M	"	
8	G M	"	
8	G M	"	
7	B	Densely clouded with ≀∪; a few drops of rain at 9h. 48m.	
7	B	≀∪ scattered about; ≀≀ in N hem.; dense ≀ in N and NE.	
8	B	Overcast; breaks in NNE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 11th-Noon.	29.692	28.739	84°4	80°0	4°4	78°4	0.83	83°6	81°4	W	0.2					
1 p. m.	.680	.726	85.0	80.2	4.8	78.5	.81	83.6	81.8	„	0.2					
2 „	.656	.682	85.6	80.8	4.8	79.1	.81	84.1	82.0	„	0.4					
3 „	.656	.702	84.6	80.1	4.5	78.5	.83	83.6	82.0	„	0.3					
4 „	.653	.748	83.0	78.5	4.5	76.8	.82	82.0	82.0	WNW	0.3					
5 „	.658	.756	81.0	77.9	3.1	76.7	.87	80.7	81.8	W	0.3					
6 „	.668	.771	80.4	77.6	2.8	76.5	.88	80.5	81.7	„	0.3	None.	None.	None.	None.	None.
7 „	.679	.779	79.8	77.5	2.3	76.6	.90	80.0	81.5	„	0.2					
8 „	.689	.748	79.8	78.5	1.3	78.0	.95	80.0	81.5	„	0.2					
9 „	.697	.780	80.0	78.0	2.0	77.2	.92	80.0	81.3	„	0·2					
10 „	.709	.779	79.6	78.2	1.4	77.7	.94	79.6	81.3	„	0.2					
11 „	.707	.776	79.5	78.2	1.3	77.7	.95	79.6	81.3	„	0.3					
Aug. 12th-Midnight	.709	.787	79.5	78.0	1.5	77.4	.94	79.6	81.2	W	0.2					
1 a. m.	.692	.738	79.3	78.7	0.6	78.5	.97	79.4	81.1	„	0.2					
2 „	.690	.767	78.5	78.0	0.5	77.8	.98	78.6	81.0	„	0.2					
3 „	.691	.820	77.7	76.2	1.5	75.6	.94	78.0	80.8	W b S	0·1	0.02				
4 „	.695	.806	77.9	76.7	1.2	76.3	.95	78.3	80.6	„	0.1					
5 „	.703	.798	78.2	77.2	1.0	76.8	.96	78.4	80.6	„	0.2					
6 „	.720	.815	78.2	77.2	1.0	76.8	.96	78.8	80.6	„	0.2					
7 „	.737	.849	79.0	77.0	2.0	76.2	.92	79.0	80.5	W	0.1					
8 „	.746	.823	80.2	78.2	2.0	77.4	.92	80.2	80.6	„	0.2					
9 „	.767	.834	81.6	78.8	2.8	77.8	.89	81.6	80.9	W b N	0.2					
10 „	.769	.822	82.6	79.4	3.2	78.2	.87	82·4	81.2	„	0·1					
11 „	.759	.823	82.5	79.1	3.4	77.9	.86	82.4	81.3	W b S	0·2					
Noon.	.749	.785	85.7	80.6	5.1	78.8	.80	84.6	81.6	W b N	0·2		None.	None.	None.	None.
1 p. m.	.732	.781	86.5	80.5	6.0	78.4	.78	84.8	82.0	„	0·2					
2 „	.718	.787	86.4	80.0	6.4	77.7	.76	84.5	82.2	W b S	0·2					
3 „	.708	.775	86.2	80.0	6.2	77.8	.77	84.3	82.4	„	0.4					
4 „	.702	.767	86.0	80.0	6.0	77.8	.77	84.1	82.5	„	0.2					
5 „	.708	.791	83.8	79.0	4.8	77.2	.81	82.8	82.5	W	0.2					
6 „	.713	.832	81.8	77.6	4.2	76.0	.83	81.4	82.3	„	0.2					
7 „	.728	.841	80.4	77.4	3.0	76.2	.88	80.8	82.0	„	0.1					
8 „	.730	.845	80.0	77.2	2.8	76.1	.88	80.1	81.9	„	0.1					
9 „	.740	.832	80.1	77.8	2.3	76.9	.90	80.2	81.7	„	0.1					
10 „	.753	.848	80.0	77.7	2.3	76.8	.90	80.2	81.6	„	0.1					
11 „	.740	.844	79.8	77.4	2.4	76.5	.90	79.9	81.6	„	0.2					
Aug. 13th-Midnight	.720	.828	79.5	77.2	2.3	76.4	.90	79.5	81.5	W b S	0.2					
1 a. m.	.710	.811	78.7	77.2	1.5	76.6	.94	78.6	81.3	SW	0.2	0·05				
2 „	.693	.794	78.4	77.1	1.3	76.6	.95	78.9	81.2	WSW	0.1					
3 „	.688	.800	78.0	76.7	1.3	76.2	.95	78.5	81.0	„	0.1					
4 „	.684	.789	78.4	77.0	1.4	76.5	.94	78.6	81.0	„	0.2					
5 „	.686	.824	77.8	76.0	1.8	75.3	.92	78.0	80.9	„	0·1	0.02				
6 „	.690	.820	77.8	76.2	1.6	75.6	.94	78.0	80.8	„	0·1					
7 „	.708	.787	79.6	78.0	1.6	77.4	.93	79.8	80.8	„	0.2					
8 „	.731	.788	80.7	78.8	1.9	78.1	.92	80.8	80.9	„	0.3	0.01				
9 „	.735	.774	82.2	79.6	2.6	78.7	.89	82.0	81.2	W b S	0.4					
10 „	.739	.786	84.4	80.0	4.4	78.4	.83	83.7	81.5	„	0.2					
11 „	.737	.820	85.3	79.4	5.9	77.3	.78	84.0	81.7	W	0,2					
Noon.	.735	.829	86.3	79.4	6.9	76.8	.74	84.5	82.0	„	0.2					
1 p. m.	.725	.769	86.0	80.5	5.5	78.5	.79	84.5	82.3	„	0.2		None.	None.	None.	None.
2 „	.720	.778	85.4	80.0	5.4	78.1	.79	84.0	82.5	WSW	0·3					
3 „	.708	.752	86.0	80.5	5.5	78.5	.79	84.5	82.5	„	0·3					
4 „	.692	.771	84.2	79.2	5.0	77.4	.81	83.1	82.5	„	0·4					
5 „	.689	.768	82.0	78.6	3.4	77.4	.87	81.8	82.3	W	0·3					
6 „	.704	.840	81.2	77.0	4.2	78.8	.83	81.0	82.2	WNW	0.3					
7 „	.726	.826	80.4	77.7	2.7	76.6	.89	80.4	82.0	W	0·2					
8 „	.740	.865	80.2	77.0	3.2	75.8	.87	80.2	82.0	„	0.2					
9 „	.754	.840	78.8	77.6	1.2	77.1	.95	79.2	81.7	„	0.1	0·19				
10 „	.757	.850	79.1	77.5	1.6	76.9	.93	79.5	81.6	W b S	0.1					
11 „	.742	.854	79.0	77.0	2.0	76.2	.92	79.2	81.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
7	B	≀≀ scattered about; ≀≀ in E above hor.	
8	C	Overcast with ≀≀ and ≀≀, both moving E.	
8	C	Overcast.	
8	C	"	
8	C	Overcast; drizzling rain from 4h. 49m. to 4h. 55m.	
8	G M	Overcast with ≀≀, moving NE.	
8	G M	" "	
8	G M	Overcast; breaks about zth.	
8	G M	Overcast with ≀≀, moving E; a few stars dimly visible about zth.	
8	B	Overcast; a few stars dimly visible	
7	B	≀≀ scattered throughout, moving E.	
7	B	" "	
8	B	Overcast with ≀≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°9. Daily fall of rain by Osler's Gauge 0.02.
8	C	Overcast; a few stars dimly visible in S.	
7	C	≀≀ scattered about; drizzling rain from 2h. 15m. to 2h. 23m.	
8	C	Overcast with ≀≀; no rain.	
8	C	" "	
8	G M	" "	
8	G M	" "	
8	G M	" "	
8	G M	" "	
8	B	" "	
8	B	Overcast with ≀≀ and ≀≀, both moving E.	
7	B	≀≀ scattered throughout; ≀≀ in N hem. above hor.	
7	B	≀≀ and ≀≀ scattered throughout, former moving E.	
5	C	≀≀ around hor.; ≀≀ scattered throughout.	
4	C	≀≀ around hor.; ≀≀ and ≀ scattered throughout.	
4	C	≀≀ in E and SW above hor.; ≀≀ and ≀ scattered throughout.	
6	C	≀≀ around hor.; ≀ and ≀≀ scattered throughout.	
4	G M	≀≀ above E hor.; ≀≀ scattered about, moving E.	
6	G M	A few ≀ about zth.; ≀≀ scattered about, moving E.	
6	G M	≀≀ scattered throughout, moving E.	
6	G M	" "	
7	B	" "	
8	B	Overcast; drizzling rain from 10h. 25m. to 10h. 30m.	
6	B	≀≀ scattered about, moving E.	
4	B	≀≀ scattered about, moving E; a shower of rain at 0h. 48m. which lasted 5m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°9. Daily fall of rain by Osler's Gauge 0.28in.
5	C	≀≀ scattered about	
8	C	Overcast with ≀≀.	
8	C	Overcast; a few stars dimly visible in S.	
7	C	≀≀ scattered throughout, moving E; drizzling rain at 4h. 17m. which lasted 2m.	
8	G M	Overcast with ≀≀.	
6	G M	≀≀ scattered about; ≀ about zth.	
8	G M	Overcast; drizzling rain from 7h. 20m. to 7h. 25m.	
8	G M	≀≀ scattered throughout; a few ≀ in E, SW, and W.	
6	G M	" "	
6	B	≀≀ scattered about; ≀≀ about zth.; ≀ above E and W hor.	
6	B	≀≀ and ≀ around hor.; ≀≀ scattered about.	
6	B	≀≀ around hor.; ≀≀ in E hem.; ≀ about W hor.	
8	C	Overcast with ≀≀ and ≀≀, both moving E.	
7	C	Densely clouded with ≀≀ and ≀≀, both moving ENE.	
8	C	" " "	
8	C	Overcast with ≀≀ and ≀≀, both moving E.	
8	G M	Overcast; drizzling rain at 5h. 25m. which lasted 7m.	
7	G M	≀≀ scattered throughout; ≀≀ above S hor.	
6	G M	≀≀ scattered about; a few ≀ in NNE.	
5	G M	≀≀ scattered about; rain at 8h. 29m. which ceased at 8h. 39m.	
6	B	≀≀ scattered about, moving E.	
7	B	" "	
6	B	" "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or—	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 14th-Midnight	29.734	28.846	79·0	77·0	2·0	76·2	0.92	79·3	81·4	W b S	0.2					
1 a. m.	.722	.834	79.0	77.0	2.0	76.2	.92	79.2	81.3	„	0·2					
2 „	.705	.817	79.0	77.0	2.0	76.2	.92	79.2	81.2	„	0.1					
3 „	.699	.812	78.6	76.8	1.8	76.2	.92	79.0	81.1	„	0.3					
4 „	.692	.802	78.8	77.0	1.8	76.3	.92	79.0	81.1	W	0·3					
5 „	.711	.844	78.8	76.4	2.4	75.5	.90	78.8	81.0	„	0·3					
6 „	.729	.828	78.6	77.2	1.4	76.7	.94	79.0	81.0	„	0.3					
7 „	.741	.846	77.0	76.6	0.4	76.5	.98	77.8	80.8	WSW	0·2	0.01				
8 „	.759	.809	80.8	79.0	1.8	78.3	.93	81.0	81.0	W	0.4					
9 „	.777	.819	83.0	79.5	3.5	78.6	.90	82.5	81.5	„	0.4					
10 „	.777	.820	84.0	80.0	4.0	78.6	.84	83.0	81.7	„	0·2					
11 „	.780	.814	85.5	80.6	4.9	78.9	.81	84.5	82.0	„	0·2		None.	None.	None.	None.
Noon.	.777	.825	85.2	80.2	5.0	78.4	.81	84.1	82.2	„	0.3					
1 p. m.	.767	.819	84.8	80.0	4.8	78.3	.81	84.1	82.2	„	0·1					
2 „	.761	.813	84.8	80.0	4.8	78.3	.81	84.1	82.3	„	0·1					
3 „	.749	.781	85.0	80.5	4.5	78.9	.83	84.4	82.4	„	0.2					
4 „	.743	.813	83.4	79.2	4.2	77.7	.83	83.0	82.4	„	0·1					
5 „	.751	.846	81.8	78.2	3.6	76.8	.86	81.8	82.3	„	0.1					
6 „	.765	.871	81.0	77.7	3.3	76.4	.87	81.0	82.1	„	0.2					
7 „	.792	.873	80.4	77.7	2.7	77.3	.89	80.5	82.9	WSW	0.1					
8 „	.808	.909	80.1	77.6	2.5	76.6	.90	80.4	81.9	„	0.1					
9 „	.823	.929	79.9	77.4	2.5	76.4	.90	80.0	81.7	„	0.1					
10 „	.823	.925	79.2	77.3	1.9	76.6	.92	79.4	81.6	„	0.2					
11 „	.823	.935	79·0	77.0	2.0	76.2	.92	79.3	81.5	„	0.1					
Aug. 16th-Midnight	.799	.917	79.5	77.0	2.5	76.0	.90	79.6	81.4	W b S	0.2					
1 a. m.	.783	.896	79.1	77.0	2.1	76.2	.91	79.4	81.3	„	0.2					
2 „	.774	.891	78.7	76.8	1.9	76.0	.92	79.0	81.1	„	0.2					
3 „	.772	.882	78.8	77.0	1.8	76.3	.92	79.0	81.0	„	0.3					
4 „	.768	.892	78.7	76.6	2.1	75.8	.91	79.0	81.0	„	0.2					
5 „	.775	.887	79.0	77.0	2.0	76.3	.92	79.0	81·0	WSW	0.3					
6 „	.785	.915	78.9	76.5	2.4	75.6	.90	78.9	81.0	„	0.2					
7 „	.798	.906	80.8	77.6	3.2	76.4	.87	80.2	81.0	„	0.3					
8 „	.819	.917	81.4	78.0	3.4	76.8	.86	81.2	81.3	„	0.2					
9 „	.826	.890	83.2	79.3	3.9	77.9	.85	82.6	81.4	„	0.2					
10 „	.819	.851	84.6	80.4	4.2	78.9	.84	83.7	81.6	„	0.1					
11 „	.812	.862	85.8	80.3	5.5	78.3	.79	84.4	81.9	W b S	0.2					
Noon.	.797	.845	86.4	80.5	5.9	78.4	.78	85.0	82.2	SW	0·2		None.	None.	None.	None.
1 p. m.	.789	.862	85.2	79.6	5.6	77.6	.79	84.0	82.4	WSW	0.2					
2 „	.769	.819	86.6	80.5	6.1	78.3	.77	85.0	82.5	„	0.2					
3 „	.758	.845	84.2	79.0	5.2	77.1	.80	83.0	82.5	„	¾ to 3					
4 „	.751	.845	81.0	78.0	3.0	76.8	.88	81.0	82.1	„	0.3	0.10				
5 „	.753	.840	81.2	78.2	3.0	77.1	.88	81.0	82.0	„	0.2					
6 „	.764	.862	80.6	77.8	2.8	76.7	.89	80.8	82.0	„	0.2					
7 „	.756	.881	80.2	77.0	3.2	75.8	.87	80.2	81.7	„	0.2					
8 „	.778	.911	80.2	76.8	3.4	75·5	.86	80.0	81.8	„	0.3					
9 „	.790	.915	80.2	77.0	3.2	75.8	.87	80.3	81.7	„	0.2					
10 „	.790	.933	80.0	76.5	3.5	75.1	.86	80.0	81.6	„	0.3					
11 „	.780	.893	79.8	77.2	2.6	76.2	.89	79.9	81.5	„	0·3					
Aug. 17th-Midnight	.760	.855	79.6	77.6	2.0	76.8	.92	79.7	81.5	WSW	0·1					
1 a. m.	.746	.862	79.4	77.0	2.4	76.1	.90	79.5	81.4	„	0.4					
2 „	.734	.850	79.4	77.0	2.4	76.1	.90	79.5	81.3	„	¾ to ¾					
3 „	.734	.859	79.4	76.8	2.6	75.8	.89	79.4	81.2	„	0.5					
4 „	.734	.848	79.2	77.0	2.2	76.1	.91	79.4	81.2	„	0·6					
5 „	.735	.851	79.4	77.0	2.4	76.1	.90	79.2	81.2	„	0.4					
6 „	.747	.850	79.5	77.2	2.3	76.3	.90	79.5	81.2	„	0.3					
7 „	.757	.850	80.9	78.0	2.9	76.9	.88	80.5	81.2	„	0.4					
8 „	.777	.877	80.8	77.8	3.0	76.6	.88	80.8	81.2	„	0·3					
9 „	.789	.900	82.5	78.0	4.5	76.3	.82	82.2	81.4	„	¼ to 1					
10 „	.805	.952	83.3	77.3	6.0	75.0	.77	82.6	81.6	„	¼ to 1					
11 „	.806	.853	86.1	80.3	5.8	78.4	.78	84.9	81.9	„	¼ to 1					

None. None. None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimi.	
8	B	Overcast with , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°9. Daily fall of rain by Osler's Gauge 0.01.
8	C	" "	
8	C	Overcast with , moving ENE.	
6	C	scattered about except in W of zth.	
6	C	scattered about.	
8	G M	Overcast; drizzling rain at 5h. which lasted 4m.	
8	G M	Overcast with , moving NE; showers of rain.	
8	G M	Overcast with , moving E; drizzling rain from 7h. to 7h. 5m.	
6	G M	and scattered throughout, both moving E.	
6	C	around hor.; scattered about zth.	
6	C	and scattered throughout, both moving E.	
8	C	" " "	
8	C	Overcast with and , moving E.	
8	B	Overcast with , moving E.	
8	B	" "	
8	B	" "	
8	B	" "	
7	C	scattered throughout; a few above SE hor.	
8	C	Overcast with and , both moving E.	
8	C	Overcast; drops of rain fell from 7h. 10m. to 7h. 19m.	
7	C	scattered throughout, moving E.	
7	C	around hor.; scattered throughout; rain at 9h. 18m. which ceased at 9h. 23m.	
8	C	Overcast with , moving E.	
8	C	" "	
6	B	scattered throughout, moving E; a few drops of rain at 0h. 28m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.10; it appears that the Observation of Barometer at 7 P. M. is probably mistaken.
8	C	Overcast; a passing shower of rain at 1h. 18m.	
5	C	scattered about, moving E.	
6	C	" "	
7	C	" "	
8	G M	Overcast with , moving E.	
6	G M	scattered about; in N and E above hor.	
6	G M	scattered about hor., moving NE; and scattered here and there.	
7	G M	scattered throughout; about N of zth.	
5	B	scattered about; above E hor.; in E; masses of , moving E.	
5	B	scattered about, moving E; dense about zth.	
4	B	around hor.; and scattered about zth.	
5	B	around hor.; in NW; scattered about.	
7	C	around hor.; scattered throughout.	
7	C	Overcast with ; in NE; scattered throughout.	
8	C	Overcast; light rain at 3h. 8m. which ceased at 3h. 23m.	
8	C	Overcast; no rain.	
8	G M	Overcast with ; drizzling rain at 5h. 30m. which lasted 4m.	
8	G M	Overcast with , moving NE.	
8	G M	" "	
7	G M	scattered throughout, moving E.	
7	B	scattered throughout; above S hor.	
8	B	Overcast with , moving E.	
4	B	scattered about, moving E.	
4	B	scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.07.
8	C	Overcast with , moving E.	
8	C	Overcast; a few stars dimly visible in W and SW.	
7	C	scattered throughout, moving E.	
6	C	scattered throughout, moving ENE.	
8	G M	Overcast with , moving E.	
7	G M	scattered throughout, moving NE.	
7	G M	" "	
6	G M	around hor.; scattered throughout.	
7	B	scattered about; in E hem.	
7	B	around hor., moving E; in W hem.; in NW.	
6	B	scattered about, moving E; and in SE; a passing shower of rain at 11h. 35m.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 17th–Noon.	29.790	28.798	85°6	81°2	4°4	79°7	0.83	84°9	82°9	WSW	½ to ⅝					
1 p. m.	.783	.841	81.2	78.9	2.3	78.1	.91	80.9	82.1	SW b W	½ to 1½	0.02				
2 „	.768	.776	84.7	81.0	3.7	79.7	.86	83.7	82.3	W b S	½ to 3½					
3 „	.762	.790	84.6	80.5	4.1	79.1	.84	83.9	82.4	WSW	½ to 1					
4 „	.755	.840	84.0	79.0	5.0	77.2	.81	82.9	82.4	„	½ to ⅝					
5 „	.760	.865	82.0	78.0	4.0	76.5	.84	81.5	82.3	„	0.4					
6 „	.767	.867	81.2	77.9	3.3	76.6	.87	81.2	82.2	„	0.4		None.	None.	None.	None.
7 „	.777	.890	81.2	77.6	3.6	76.2	.85	81.2	82.0	„	0.2					
8 „	.789	.875	80.3	78.0	2.3	77.1	.90	80.3	81.9	„	0.3					
9 „	.804	.900	80.1	77.7	2.4	76.8	.90	80.2	81.7	„	0.2					
10 „	.806	.907	79.9	77.5	2.4	76.6	.90	80.0	81.7	„	0.2					
11 „	.797	.884	77.8	77.3	0.5	77.1	.98	77.9	81.5	SW b W	½ to 2	0·05				
Aug. 18th–Midnight	.785	.883	78.8	77.3	1.5	76.7	.94	79.0	81.4	WSW	½ to 1					
1 a. m.	.765	.863	78.8	77.3	1.5	76.7	.94	79.0	81.3	„	½ to ⅝					
2 „	.758	.873	78.5	76.8	1.7	76.1	.93	78.8	81.2	„	½ to 1					
3 „	.753	.882	78.8	76.5	2.3	75.6	.90	78.8	81.0	„	0.5					
4 „	.754	.868	78.4	76.8	1.6	76.1	.92	78.6	81.0	SW b W	0.6					
5 „	.773	.891	78.5	76.7	1.8	76.0	.92	78.0	81.0	W b N	½ to 2					
6 „	.778	.909	76.4	75.8	0.6	75.5	.97	77.0	80.6	SW	½ to ⅝	0.01				
7 „	.798	.897	78.6	77.2	1.4	76.7	.94	77.9	80.6	WSW	0.3					
8 „	.815	.903	79.6	77.8	1.8	77.1	.92	79.6	80.8	„	0.5					
9 „	.820	.889	81.8	78.8	3.0	77.7	.88	81.6	81.0	„	0.4					
10 „	.824	.892	83.2	79.2	4.0	77.7	.88	82.6	81.3	„	0.3		None.	None.	None.	None.
11 „	.827	.820	85.4	81.5	3.9	80.2	.85	84.4	81.7	„	½ to ⅝					
Noon.	.820	.853	85.0	80.5	4.5	78.9	.83	84.2	81.8	„	½ to 1					
1 p. m.	.795	.787	85.3	81.5	3.8	80.2	.85	84.5	82.2	„	0.6					
2 „	.779	.817	86.2	80.7	5.5	78.7	.79	84.9	82.4	„	½ to 1					
3 „	.771	.809	82.8	79.8	3.0	78.9	.88	82.4	82.3	„	½ to 1					
4 „	.766	.798	83.0	80.0	3.0	78.9	.88	82.6	82.3	„	½ to 1½					
5 „	.760	.815	82.0	79.2	2.8	78.2	.89	81.9	82.1	„	½ to ⅝					
6 „	.775	.873	81.4	78.0	3.4	76.7	.86	81.1	82.0	„	½ to 1½					
7 „	.779	.889	79.6	77.2	2.4	76.3	.90	79.2	82.0	„	½ to 2					
8 „	.793	.886	80.2	77.8	2.4	76.9	.90	80.2	81.8	„	½ to 1					
9 „	.804	.922	80.3	77.2	3.1	76.0	.87	80.3	81.7	„	½ to 1					
10 „	.809	.912	80.3	77.6	2.7	76.5	.89	80.3	81.7	„	0.3					
11 „	.799	.902	80.0	77.5	2.5	76.5	.90	80.0	81.6	„	½ to 1					
Aug. 19th–Midnight	.793	.899	79.9	77.4	2.5	76.4	.90	80.0	81.5	WSW	½ to 1					
1 a. m.	.777	.883	79.6	77.3	2.3	76.4	.90	79.6	81.4	„	½ to 1½					
2 „	.757	.897	79.0	76.3	2.7	75.2	.89	79.0	81.3	„	½ to 2					
3 „	.757	.887	79.2	76.6	2.6	75.6	.89	79.3	81.2	„	½ to 1					
4 „	.752	.866	79.2	77.0	2.2	76.1	.91	79.4	81.2	„	0·5					
5 „	.762	.899	79.1	76.4	2.7	75.3	.89	79.2	81.0	„	0·6					
6 „	.778	.922	79.4	76.3	3.1	75.1	.87	79.4	81.0	„	0.4					
7 „	.788	.908	79.7	77.0	2.7	75.9	.89	79.9	81.0	„	0.3					
8 „	.805	.943	81.2	77.2	4.0	75.3	.84	81.0	81.2	W b N	0·3					
9 „	.813	.880	82.4	79.0	3.4	77.8	.86	82.1	81.4	WSW	0.4					
10 „	.810	.924	80.3	77.3	3.0	76.1	.88	80.2	81.4	„	½ to 2½					
11 „	.809	.880	83.1	79.1	4.0	77.6	.84	82.8	81.5	„	½ to 1					
Noon.	.799	.823	83.0	80.2	2.8	79.2	.89	82.5	81.6	„	½ to 2	0.14	None.	None.	None.	None.
1 p. m.	.784	.812	84.6	80.5	4.1	79.1	.84	83.6	82.0	„	0.4					
2 „	.765	.808	85.2	80.3	4.9	78.6	.81	83.8	82.2	„	1.0					
3 „	.759	.841	83.7	79.0	4.7	77.3	.82	82.8	82.2	„	1·0					
4 „	.750	.835	84.0	79.0	5.0	77.2	.81	83.0	82.3	„	0.4					
5 „	.758	.838	82.8	78.8	4.0	77.3	.84	82.4	82.2	„	0.3					
6 „	.771	.903	81.2	77.1	4.1	75.5	.84	81.0	82.0	„	0.4					
7 „	.777	.890	80.6	77.4	3.2	76.2	.87	80.6	82.0	„	0.5					
8 „	.787	.910	80.0	77.0	3.0	75.8	.88	80.0	81.8	„	0.3					
9 „	.797	.920	80.0	77.0	3.0	75.8	.88	80.0	81.7	„	½ to 1½					
10 „	.804	.924	80.1	77.1	3.0	75.9	.88	80.1	81.7	SW b W	0.4					
11 „	.807	.927	80.1	77.1	3.0	75.9	.88	80.1	81.6	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ∿i nimbi.	
6	B	∿i and ∿i scattered throughout, both moving NE; light rain at 12h. 39m. which ceased at 12h. 58m.	
8	C	Overcast with ∿i, moving NE.	
7	C	∿i and ∿i scattered throughout, former moving ENE; drizzling rain at 2h. 17m.	
6	C	∿i and ∿i scattered about; ⌐i in S hem. above hor.	
6	C	∿i around hor., moving ENE; ⌐i and ∿i scattered about.	
7	G M	∿i scattered throughout, moving E; ∿i in NW.	
7	G M	∿i and ∿i scattered throughout, both moving E.	
7	G M	" " "	
4	B	∿i scattered about, moving E; ∿i in SW and N.	
5	B	∿i scattered about, moving E.	
4	B	∿i scattered about; light rain at 10h. 45m. which lasted 14m.	
8	B	Overcast with ∿i, moving E.	
5	B	∿i scattered about, moving E; drizzling rain from 0h. 22m. to 0h. 43m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.01in.
6	C	∿i scattered throughout; no rain.	
5	C	∿i scattered about hor.; a few patches in E of zth.	
3	C	∿i scattered about hor., moving E.	
3	C	" "	
8	N	Overcast; drizzling rain accompanied with gusts of wind at 5h. which lasted 30m.	
8	N	Overcast; no rain.	
7	N	∿i scattered about, moving E; ∿i above W hor.	
8	N	Overcast with ∿i, moving E.	
6	B	∿i scattered throughout; ∿i in E hem.; drizzling rain from 9h. 22m. to 9h. 25m.	
5	B	∿i scattered about; ∿i in E, S, and W; ⌐i above N hor.	
4	B	∿i around hor., moving ENE; ∿i in E, SE, and S; ⌐i scattered about zth.	
7	B	Densely clouded with ∿i, moving NE; ∿i above SE & S hor.; ⌐i above S hor.	
8	C	∿i and ∿i scattered throughout, moving NE.	
8	C	Overcast with ∿i and ∿i, moving NE.	
8	C	" "	
8	C	" "	
6	N	∿i and ∿i scattered about, both moving E.	
5	N	∿i and ∿i scattered about; a light passing shower of rain at 6h. 53m.	
8	N	Overcast with ∿i, moving NE.	
5	N	∿i scattered about hor.	
6	B	∿i and ∿i scattered throughout, moving E.	
8	B	Overcast with ∿i; breaks in S and N of zth.	
6	B	∿i around hor.; ∿i scattered about zth.	
6	B	∿i and ∿i scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.13in.
5	C	∿i around hor.; ∿i in W, N, and NE, former moving ENE.	
4	C	∿i around hor., SE, and S.	
5	C	Masses of ∿i scattered about.	
7	C	Densely clouded with ∿i; a few stars dimly visible.	
8	N	Overcast with ∿i, moving NE.	
8	N	∿i and ∿i scattered throughout, both moving NE.	
6	N	" " "	
8	N	Overcast with ∿i, moving E.	
8	B	Overcast with ∿i, moving ENE; breaks in S, SW, and S; drizzling at 9h. 47m. which lasted 5m.	
8	B	Overcast with ∿i, moving ENE.	
7	B	Densely clouded with ∿i.	
5	B	∿i scattered about; ∿i above S hor.	
5	C	∿i scattered about, moving NE; ∿i scattered about.	
7	C	Nearly overcast with ∿i and ∿i, moving ENE.	
8	C	Overcast with ∿i and ∿i, both moving NE; breaks above SW and W hor.; drizzling rain at 3h. 4m.	
7	C	Densely clouded with ∿i and ∿i, moving ENE.	
6	N	∿i scattered about; ∿i in SW.	
7	N	∿i and ∿i scattered throughout, moving ENE; ⌐i in W and N.	
6	N	∿i scattered about, moving ENE; ⌐i above W and NW hor.	
6	N	∿i and ∿i scattered throughout, both moving E.	
8	B	Overcast with ∿i, moving E; drizzling rain at 9h. 2m. which lasted 2m.	
8	B	Overcast with ∿i, moving E.	
8	B	Overcast with ∿i, moving NE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds that same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 20th-Midnight	29.786	28.899	80°0	77°0	3°0	76°2	0.88	80°0	81°5	SW b W	0.8					
1 a. m.	.770	.891	79·8	77.0	2.8	75.9	.88	79.9	81.4	„	½ to ¾					
2 „	.754	.870	79·7	77.1	2.6	76.1	.89	79.9	81.4	„	0.6		+	1		Above 10m.
3 „	.748	.863	79.6	77.1	2.5	76.1	.90	79.7	81.3	WSW	½ to 2		+	1		
4 „	.744	.848	78.3	77.0	1.3	76.5	.94	78.8	81.0	SW b W	0.5				•	
5 „	.748	.876	79.4	76.7	2.7	75.6	.89	79.4	81.0	„	0.7					
6 „	.773	.898	79.4	76.8	2.6	75.8	.89	79.5	81.0	„	0.7					
7 „	.795	.910	80.8	77.4	3.4	76.1	.86	80.9	81.1	„	0.6					
8 „	.814	.917	81.8	78.0	3.8	76.5	.85	81.8	81.4	„	0.4					
9 „	.820	.918	81.4	78.0	3.4	76.7	.86	81.4	81.4	„	0.5					
10 „	.827	.892	84.5	79.6	4.9	77.8	.81	83.7	81.7	„	0.5					
11 „	.811	.878	85.4	79.8	5.6	77.8	.80	84.6	81.9	„	½ to 1					
Noon.	.797	.838	85.4	80.4	5.0	76.6	.81	84.7	82.2	„	0.3				None.	
1 p. m.	.775	.824	83.8	79.8	4.0	78.4	.84	83.5	82.4	WSW	½ to 1					
2 „	.759	.777	85.6	81.0	4.6	79.4	.82	84.8	82.5	„	0.6					
3 „	.748	.822	83.0	79.0	4.0	77.5	.84	82.3	82.5	„	0.5					
4 „	.739	.816	84.0	79.2	4.8	77.4	.81	83.2	82.5	„	0.4					
5 „	.731	.798	81.6	78.8	2.8	77.8	.89	81.0	82.5	„	0.3	0.02				
6 „	.748	.868	80.1	77.1	3.0	75.9	.88	80.0	82.2	„	½ to ¾					
7 „	.757	.876	79.6	77.0	2.6	76.0	.89	80.0	82.0	„	0.3					
8 „	.767	.936	79.2	75.6	3.6	74.1	.85	79.2	81.9	„	¼ to ½	0.01				
9 „	.779	.914	79.7	76.6	3.1	75.4	.87	79.7	81.7	W b N	½ to ¾					
10 „	.781	.875	79.5	77.6	1.9	76.8	.92	79.7	81.6	SW	0.3					
11 „	.766	.867	80.1	77.6	2.5	76.6	.90	80.2	81.6	WSW	¼ to ¾					
Aug. 21st-Midnight	.744	.829	80·2	78.0	2.2	77.2	.91	80.3	81.7	WSW	½ to ¾					
1 a. m.	.726	.808	79.9	78.0	1.9	77.3	.92	80.0	81.5	„	0.7					
2 „	.702	.801	78.6	77.2	1.4	76.7	.94	78.9	81.4	„	½ to ¾					
3 „	.688	.840	78.3	75.8	2.5	74.8	.89	78.2	81.3	„	¾ to 1½					
4 „	.690	.861	78.0	75.2	2.8	74.1	.88	78.4	81.1	„	0.2					
5 „	.695	.835	79.0	76.3	2.7	75.2	.89	79.0	81.0	„	0.5					
6 „	.712	.872	78.4	75.6	2.8	74.5	.88	78.7	81.0	„	½ to 1½					
7 „	.729	.809	77.9	77.5	0.4	77.3	.98	78.6	81.0	„	0.1	0.01				
8 „	.744	.835	80.0	77.8	2.2	76.9	.91	80.1	81.0	„	0.4					
9 „	.758	.838	82.4	78.7	3.7	77.3	.85	81.9	81.3	„	0.5					
10 „	.758	.802	83.0	79.7	3.3	78.5	.87	83.0	81.3	„	0·6					
11 „	.745	.787	85.1	80.3	4.8	78.6	.82	84.3	81.7	„	0.5					
Noon.	.735	.765	86.2	80.9	5.3	79.0	.80	85.2	82.1	„	0.5		None.	None.	None.	None.
1 p. m.	.715	.725	86.5	81.4	5.1	79.6	.81	85.2	82.4	W b S	0.5					
2 „	.697	.804	86.0	79.0	7.0	76.4	.74	84.4	82.6	„	0.5					
3 „	.689	.817	84.5	78.1	6.4	75.6	.76	83.5	82.5	„	0.4					
4 „	.683	.814	8..6	77.5	5.1	75.5	.80	82.1	82.4	„	0.5					
5 „	.688	.853	81.3	76.3	5.0	74.3	.80	81.2	82.2	„	0.3					
6 „	.705	.836	81.1	77.1	4.0	75.5	.84	81.1	82.0	WSW	0.2					
7 „	.721	.8[illegible]	80.6	77.3	3.3	76.0	.87	80.6	82.0	SW	0.3					
8 „	.7 9	.871	80.0	76.5	3.5	75.1	.86	80.0	81.8	W b S	0.3					
9 „	.739	.863	80.1	77.0	3.1	75.8	.87	80.1	81.7	„	0.3					
10 „	.739	.852	79.8	77.2	2.6	76.2	.89	79.8	81.6	WSW	0·2					
11 „	.729	.888	78.9	75.5	3.4	74.5	.86	78.3	81.6	SW	0.3	0.05				
Aug. 24th-Midnight	.780	.911	79.3	76.6	2.7	75.5	.89	79.3	81.2	SW	0.3					
1 a. m.	.770	.884	79.2	77.0	2.2	76.1	.91	79.4	81.1	„	0.3					
2 „	.757	.884	79.0	76.6	2.4	75.7	.90	79.0	81.0	SW b W	0.4					
3 „	.757	.897	78.7	76.2	2.5	75.2	.89	78.9	81.0	„	¼ to ¾					
4 „	.760	.991	78.0	73.6	4.4	71.7	.82	76.5	80.9	„	¾ to 4	0.15				
5 „	.762	.932	77.2	75.0	2.2	74.1	.91	77.0	80.7	WSW	0.3	0.01				
6 „	.782	.950	76.5	74.8	1.7	74.2	.93	76.5	80.5	SW	0.3	0·02	None.	None.	None.	None.
7 „	.798	.899	78.2	77.2	1.0	76.8	.96	78.2	80.4	„	0.2					
8 „	.825	.910	80.2	78.0	2.2	77.2	.91	80.0	80.6	„	0.3					
9 „	.836	.884	82.6	79.5	3.1	78.4	.88	82.0	81.0	WSW	0.2					
10 „	.831	.884	83.8	79.7	4.1	78.2	.84	83.1	81.3	„	0.3					
11 „	.826	.874	84.1	79.9	4.2	78.4	.84	83.1	81.5	W	0.4					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒ᵢ cirro-cumuli; ⌒ᵢ cumuli; ⌒ᵢ cirro-strati; ⌒ᵢ cumulo-strati; and ⌒ᵢ nimbi.	
8	B	Overcast with ⌒ᵢ, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's 0.04in.
8	C	Overcast.	
8	C	Overcast; fresh breezes of wind after 2h. 50m.	
8	C	" " "	
8	C	Overcast; wind abated in force.	
8	N	⌒ᵢ and ⌒ᵢ scattered throughout, both moving ENE.	
8	N	Overcast with ⌒ᵢ, moving NE.	
5	N	⌒ᵢ in NW, N, and SE; light ⌒ᵢ scattered about, moving NE.	
8	N	Overcast with ⌒ᵢ and ⌒ᵢ, both moving ENE.	
7	B	⌒ᵢ scattered throughout, moving ENE.	
8	B	" "	
6	B	⌒ᵢ scattered throughout; ⌒ᵢ in S above hor.	
7	B	Densely clouded with ⌒ᵢ, moving ENE.	
8	C	Overcast with ⌒ᵢ, moving ENE.	
7	C	⌒ᵢ and ⌒ᵢ scattered throughout, both moving ENE; drizzling rain at 2h. 43m. which lasted 15m.	
8	C	⌒ᵢ and ⌒ᵢ scattered throughout, both moving ENE.	
7	C	⌒ᵢ and ⌒ᵢ scattered throughout; a shower of rain at 4h. 33m. which lasted 5m.	
7	N	⌒ᵢ scattered throughout; ⌒ᵢ in N and NE; ⌒ᵢ about zth.	
8	N	Overcast with ⌒ᵢ and ⌒ᵢ, both moving ENE; breaks in NW and NE.	
8	N	Overcast; a passing shower of rain at 7h. 56m.	
8	N	Overcast with ⌒ᵢ, moving NE.	
8	B	Overcast with ⌒ᵢ, moving ENE.	
8	B	" "	
8	B	" "	
8	B	Overcast with ⌒ᵢ, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.07in.
8	C	Overcast; a passing shower of rain at 1h. 37m.	
8	C	Overcast; fresh breezes of wind after 2h. 47m.	
8	C	Overcast; fresh breezes of wind blowing.	
8	C	Overcast; light breezes of wind blowing.	
8	N	⌒ᵢ scattered about, moving NE; ⌒ᵢ about zth.	
8	N	Overcast with ⌒ᵢ, moving NE; drizzling rain commenced at 6h. 6m.	
8	N	Overcast; rain ceased at 7h. 10m.	
8	N	Overcast; no rain.	
7	B	⌒ᵢ scattered throughout, moving E; light drizzling rain from 9h. 26m. to 9h. 32m.	
7	B	⌒ᵢ and ⌒ᵢ scattered throughout, moving E.	
5	B	⌒ᵢ about zth.; ⌒ᵢ scattered about	
7	B	⌒ᵢ and ⌒ᵢ scattered throughout, former moving ENE.	
7	C	⌒ᵢ around hor.; ⌒ᵢ scattered about, both moving ENE.	
8	C	Overcast with ⌒ᵢ and ⌒ᵢ.	
7	C	⌒ᵢ around hor.; ⌒ᵢ scattered throughout.	
7	B	⌒ᵢ scattered throughout; ⌒ᵢ in SW.	
8	B	⌒ᵢ scattered throughout, moving E.	
7	B	" "	
8	B	Overcast; a passing shower of rain at 7h. 4m.	
7	B	⌒ᵢ in hor.; ⌒ᵢ scattered throughout.	
7	B	" "	
7	B	⌒ᵢ and ⌒ᵢ scattered throughout, former moving NE; light rain commenced at 10h. 59m.	
8	B	Overcast with ⌒ᵢ, moving ENE; rain ceased at 11h. 7m.	
6	L	Light ⌒ᵢ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.61in.; the greatest height of Barometer during this month was 29.848 in. At 9 P. M. on the 24th instant, which was greater than the Normal Mean by 0.089in.; at 4 A. M. the Temperature of Evaporation was less during the month.
8	C	Overcast with ⌒ᵢ and ⌒ᵢ, both moving NE.	
6	C	⌒ᵢ scattered about, moving NE.	
6	C	⌒ᵢ scattered about; light rain commenced at 3h. 56m.	
8	C	Overcast with ⌒ᵢ, moving ENE, rain ceased at 4h. 9m. but re-commenced at 4h. 57m.	
8	G M	Overcast; rain ceased at 5h. 12m. but re-commenced at 5h. 52m. which lasted 5m.	
8	G M	Overcast; no rain.	
8	G M	" "	
7	G M	⌒ᵢ scattered throughout, moving NE.	
6	L	" "	
5	L	⌒ᵢ scattered about hor. a few ⌒ᵢ in SE.	
6	L	⌒ᵢ scattered about, moving NE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 24th-Noon.	29.815	28.927	82°6	78°0	4°6	76°2	0.82	82°0	81°7	W	0.4					
1 p. m.	.812	.961	82.4	77.0	5.4	74.9	.79	80.5	81.7	„	½ to 1¾					
2 „	.794	.910	80.1	77.2	2.9	76.1	.88	80.0	81.4	„	0.4					
3 „	.796	.885	78.4	77.4	1.0	77.0	.96	78.2	81.2	„	½ to 1½	0.12				
4 „	.796	.919	78.2	76.5	1.7	75.8	.93	78.3	81.2	SW	½ to 1					
5 „	.798	.902	78.3	77.0	1.3	76.5	.94	78.4	81.0	„	0.4		None.	None.	None.	None.
6 „	.808	.931	77.2	76.2	1.0	75.8	.96	77.4	80.8	WSW	0.2	0.26				
7 „	.826	.923	78.4	77.2	1.2	76.7	.95	78.5	80.8	„	0.2					
8 „	.839	.938	78.6	77.2	1.4	76.7	.94	78.8	80.8	„	0.3					
9 „	.848	.941	78.8	77.4	1.4	76.9	.94	79.0	80.8	„	0.2					
10 „	.847	.959	79.0	77.0	2.0	76.2	.92	79.3	80.7	„	0.3					
11 „	.845	.951	79.2	77.2	2.0	76.4	.92	79.3	80.7	„	0.2					
Aug. 25th-Midnight	.817	.931	77.8	76.6	1.2	76.1	.95	78.9	80.6	WSW	0.2					
1 a. m.	.796	.913	78.4	76.7	1.7	76.0	.93	78.6	80.6	„	0.3					
2 „	.780	.914	78.2	76.2	2.0	75.4	.92	78.0	80.6	„	0.2					
3 „	.769	.858	78.0	77.3	0.7	77.0	.97	78.2	80.5	W b S	½ to 1½	0.02				
4 „	.775	.917	78.2	76.0	2.2	75.1	.91	78.2	80.5	„	0.6					
5 „	.779	.892	78.4	76.8	1.6	76.2	.93	78.4	80.5	WSW	½ to 1					
6 „	.785	.898	78.4	76.8	1.6	76.2	.93	78.6	80.5	„	½ to 1					
7 „	.797	.897	79.0	77.8	1.2	76.6	.95	79.0	80.5	SW b W	0.6					
8 „	.811	.880	79.2	78.2	1.0	77.8	.96	79.4	80.6	SW	0.6	0.01				
9 „	.835	.889	81.2	79.0	2.2	78.2	.91	81.2	80.7	WSW	0.2					
10 „	.838	.963	82.0	77.5	4.5	75.8	.82	80.5	81.0	„	½ to 2½	0.04				
11 „	.837	.873	83.4	80.0	3.4	78.8	.86	83.0	81.2	W	0.4	0.01	None.	None.	None.	None.
Noon.	.826	.820	84.2	81.2	3.0	80.1	.88	83.5	81.5	W b S	0.2					
1 p. m.	.809	.924	79.6	77.1	2.5	76.1	.90	78.9	81.4	WSW	½ to 3¾	0.07				
2 „	.798	.928	79.6	76.7	2.9	75.6	.88	79.4	81.3	„	½ to 5¼	0.02				
3 „	.779	.871	80.8	78.0	2.8	76.9	.88	80.6	81.2	„	0.3					
4 „	.773	.873	81.9	78.1	3.8	76.6	.85	81.0	81.4	„	½ to 1½					
5 „	.775	.866	80.0	77.8	2.2	76.0	.91	80.0	81.3	„	½ to 1½	0.03				
6 „	.786	.907	79.8	77.0	2.8	75.9	.88	79.8	81.2	„	½ to 1					
7 „	.788	.911	79.6	76.9	2.7	75.8	.89	79.4	81.2	SW b W	½ to 1					
8 „	.800	.923	80.0	77.0	3.0	75.8	.88	80.0	81.0	„	½ to 1¼					
9 „	.788	.934	79.6	76.3	3.3	75.0	.86	79.6	81.0	SW	½ to 14					
10 „	.786	.926	79.4	76.4	3.0	75.2	.88	79.6	81.0	„	¼ to 1½					
11 „	.768	.881	79.8	77.2	2.6	76.2	.89	79.8	80.9	„	½ to 1½					
Aug. 26th-Midnight	.743	.866	79.8	77.2	2.6	76.2	.89	79.8	80.9	SW	½ to 1½					
1 a. m.	.721	.837	79.7	77.1	2.6	76.1	.89	79.6	80.9	„	½ to 1¾					
2 „	.696	.830	79.6	76.6	3.0	75.4	.88	79.4	80.9	„	1.5					
3 „	.687	.814	79.6	76.8	2.8	75.7	.88	79.4	80.8	„	1.0					
4 „	.679	.798	79.6	77.0	2.6	76.0	.89	79.4	80.8	„	0.8					
5 „	.681	.799	79.5	77.0	2.5	76.0	.90	79.4	80.7	„	0.7					
6 „	.686	.810	79.1	76.7	2.4	75.8	.90	79.0	80.6	„	0.6					
7 „	.706	.813	77.8	76.8	1.0	76.4	.96	77.0	80.6	W	¾ to 3	0.05				
8 „	.711	.843	78.0	76.2	1.8	75.5	.92	78.2	80.4	„	¾ to 3¾	0.05				
9 „	.722	.763	80.0	79.0	1.0	786.	.96	80.2	80.6	WSW	½ to 1¾					
10 „	.727	.753	83.2	80.2	3.0	79.1	.88	82.6	81.1	„	¾ to 4½					
11 „	.723	.157	82.4	79.8	2.6	78.9	.89	82.2	81.1	„	¾ to 2¾	0.02				
Noon.	.717	.752	84.0	80.2	3.8	78.8	.85	83.1	81.5	SW	0.5		None.	None.	None.	None.
1 p. m.	.688	.741	83.8	79.7	4.1	78.2	.84	83.1	81.5	„	½ to 2					
2 „	.670	.757	84.2	79.0	5.2	77.1	.80	83.0	81.6	SW b W	½ to 1					
3 „	.656	.738	83.7	79.0	4.7	77.3	.82	82.4	81.8	SW	0.8					
4 „	.644	.724	82.8	78.8	4.0	77.3	.84	82.0	81.7	„	0.7					
5 „	.641	.733	80.8	78.0	2.8	76.9	.89	80.8	81.6	W b S	0.6					
6 „	.651	.747	80.4	77.8	2.6	76.8	.89	80.2	81.5	SW	0.3					
7 „	.657	.745	79.0	77.6	1.4	77.1	.90	79.0	81.3	„	0.5	0.01				
8 „	.666	.758	79.2	77.6	1.6	76.9	.93	79.4	81.2	„	0.5					
9 „	.676	.769	79.1	77.5	1.6	76.9	.93	79.1	81.2	„	0.6	0.01				
10 „	.676	.750	79.2	78.0	1.2	77.5	.95	79.5	81.2	„	0.4					
11 „	.676	.801	78.8	76.6	2.2	75.8	.91	79.0	81.0	SW b S	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
7	L	scattered about, moving NE.	
8	C	Overcast; drizzling rain at 1h. which lasted 27m.	
8	C	Overcast; raining lightly	
8	C	Overcast with , moving ENE; rain ceased at 3h. 19m.	
8	C	Overcast; rain commenced at 4h. 20m.	
8	G M	Overcast; rain ceased at 5h. 38m.	
8	G M	Overcast with , moving ENE.	
8	G M	Overcast with , moving NE.	
8	G M	" "	
8	L	around hor. and dense scattered throughout; a lunar-halo.	
8	L	and scattered throughout, former moving NE; a lunar-halo.	
8	L	and scattered throughout, a lunar-halo.	
6	L	scattered about hor.; about zth.; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.23in.
7	C	and scattered throughout, former moving ENE.	
8	C	Overcast with and ; a shower of rain at 2h. 32m. which lasted 2m.	
8	C	Overcast with and , both moving ENE.	
8	C	" "	
8	G M	" "	
8	G M	Overcast with , moving NE; a shower of rain at 6h. 50m. which lasted 4m.	
8	G M	Overcast with and , both moving ENE; a shower of rain at 7h. 20m. which lasted 5m.	
8	G M	Overcast; no rain.	
5	L	and scattered throughout, both moving ENE.	
8	L	scattered throughout; a few in E; light rain at 10h. 3m. which lasted 11m.	
6	L	and scattered throughout, except about zth., moving NE.	
6	L	and scattered throughout; light rain commenced at 12h. 21m.	
8	C	Overcast with , moving NE; rain ceased at 1h. 16m.	
8	C	Overcast; no rain.	
8	C	and scattered throughout, both moving ENE;	
7	C	in NE and SE; scattered throughout, moving ENE; light rain at 4h. 11m. which lasted 9m.	
7	G M	and scattered throughout, both moving ENE.	
6	G M	scattered throughout; and lying about zth.	
8	G M	Overcast with , moving NE	
8	G M	" "	
6	L	scattered throughout; in SE and about zth.	
8	L	Overcast with , moving NE.	
8	L	Overcast with , moving, ENE.	
8	L	Overcast with , moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 84°0. Daily fall of rain by Osler's Gauge 0.16in.
8	C	" "	
8	C	Overcast with , moving NNE.	
8	C	Overcast with , moving NE.	
8	C	" "	
8	G M	" "	
7	G M	scattered throughout; light rain commenced at 6h. 56m.	
8	G M	Overcast with ; rain ceased at 7h. 17m. but re-commenced at 7h. 22m. which lasted 8m.	
7	G M	Nearly overcast with , moving ENE; no rain	
7	L	" " "	
6	L	scattered throughout, moving NE; light rain at 10h. 18m. which lasted 4m.	
6	L	and scattered throughout, the former moving NE.	
7	L	" "	
7	C	around hor.; scattered throughout, moving NE; a few above SE hor.	
5	C	around hor., moving ENE; in SW and W; scattered throughout.	
8	C	Overcast with , moving ENE.	
7	C	Densely clouded with ; light rain at 4h. 36m. which lasted 3m.	
8	G M	Overcast with ; no rain	
8	G M	Overcast; showers of rain at 6h. 9m and 6h. 41m. which lasted respectively 5m.	
8	G M	Overcast with , moving NE.	
6	G M	scattered throughout; rain at 8h. 32m. which lasted 4m.	
6	L	and scattered throughout, both moving NE; in SE and S above hor.	
8	L	Overcast with , moving NE.	
8	L	Overcast; a shower of rain at 11h. 51m. which lasted 4m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 27th-Midnight	29.660	28.782	77°8	76°4	1°4	75°9	0.94	77°7	81°0	WSW	0·4	0·07				
1 a. m.	.649	.730	78.0	77.5	0.5	77.3	.98	78.3	80.7	„	0·5					
2 „	.638	.733	78.6	77.3	1.3	76.8	.95	78.9	80.7	„	0.6					
3 „	.629	.739	78.8	77.0	1.8	76.5	.92	78.9	80.7	„	¼ to ½					
4 „	.634	.734	79.0	77.3	1.7	76.6	.93	79.2	80.7	„	0.5					
5 „	.644	.754	78.8	77.0	1.8	76.3	.92	78.8	80.6	SW	0.6					
6 „	.672	.788	78.6	76.8	1.8	76.1	.92	78.5	80.6	„	0.5					
7 „	.688	.809	78.4	76.6	1.8	75.9	.92	78.5	80.5	„	¼ to 1½					
8 „	.711	.836	77.4	76.2	1.2	75.8	.95	77.6	80.4	„	¼ to 3	0·01				
9 „	.730	.800	79.4	78.3	1.1	77.7	.95	79.6	80.9	WSW	0·2					
10 „	.729	.760	80.6	79.4	1.2	79.0	.95	80.5	80.9	„	0.2					
11 „	.720	.756	81.9	79.6	2.3	78.8	.92	81.7	81.0	„	¼ to 1½		None.	None.	None.	None.
Noon.	.722	.738	84.2	80.7	3.5	79.4	.86	83.3	81.3	„	0·4					
1 p. m.	.670	.712	84.8	80.7	4.1	79.3	.84	83.7	81.5	„	0.4					
2 „	.673	.722	84.5	80.0	4.5	78.4	.83	83.6	81.7	„	0·6					
3 „	.658	.712	85.0	80.0	5.0	78.2	.81	84.0	81.9	„	0.5					
4 „	.656	.752	85.0	79.0	6.0	76.8	.77	83.6	82.0	„	0·2					
5 „	.656	.760	83.4	78.4	5.0	76.5	.80	83.5	81.8	„	0·2					
6 „	.666	.792	79.2	76.8	2.4	75.7	.90	78.8	81.5	„	¼ to 1					
7 „	.674	.788	79.2	77.0	2.2	76.1	.91	79.2	81.3	„	0.2					
8 „	.685	.758	79.8	78.2	1.6	77.6	.93	79.8	81.4	„	0.2					
9 „	.697	.799	79.6	77.4	2.2	76.6	.91	79.8	81.4	„	0.2					
10 „	.699	.807	79.4	77.2	2.2	76.4	.91	79.6	81.2	„	0.1					
11 „	.695	.803	79.4	77.2	2.2	76.4	.91	79.6	81.2	„	0.1					
Aug. 28th-Midnight	.680	.771	79.2	77.6	1.6	76.9	.93	79.5	81.1	WSW	0.1					
1 a. m.	.668	.764	78.7	77.3	1.4	76.8	.94	78.9	80.9	W b S	0.1					
2 „	.660	.760	79.0	77.3	1.7	76.6	.93	79.3	80.8	„	0.3					
3 „	.650	.762	79.0	77.0	2.0	76.2	.92	79.2	80.8	„	0.3					
4 „	.661	.781	79.0	76.8	2.2	75.9	.91	79.1	80.7	„	0.4					
5 „	.669	.787	78.8	76.8	2.0	76.0	.92	78.8	80.7	„	0.3					
6 „	.683	.794	78.9	77.0	1.9	76.3	.92	78.9	80.7	„	0.5					
7 „	.711	.759	80.6	79.0	1.6	78.4	.93	80.5	80.8	W	0.1					
8 „	.730	.803	81.1	78.5	2.6	77.6	.89	80.8	80.8	W b S	0.4					
9 „	.741	.803	83.4	79.4	4.0	77.9	.84	82.4	81.3	„	0.2					
10 „	.752	.788	84.6	80.3	4.3	78.8	.83	83.4	81.5	„	0.1					
11 „	.750	.781	85.2	80.6	4.6	79.0	.82	83.8	81.7	„	0.1					
Noon.	.739	.748	86.4	81.4	5.0	79.7	.81	84.8	82.1	W	0.2					
1 p. m.	.730	.754	86.2	81.0	5.2	79.2	.80	86.0	82.3	W b S	0.2					
2 „	.718	.749	86.8	81.0	5.8	79.0	.78	85.0	82.3	„	0.2	Immeasurable.	None.	None.	None.	None.
3 „	.708	.716	85.9	81.3	4.6	79.8	.82	84.5	82.5	„	0.2					
4 „	.710	.730	85.8	81.0	4.8	79.3	.83	84.5	82.5	„	0.2					
5 „	.718	.762	84.1	80.0	4.1	78.5	.83	83.0	82.4	„	0.4					
6 „	.724	.815	82.2	78.4	3.8	76.9	.85	81.8	82.3	„	0.2					
7 „	.735	.847	80.9	77.5	3.4	76.2	.86	81.0	82.1	„	0.1					
8 „	.755	.884	80.6	77.0	3.6	75.6	.85	80.8	82.0	WSW	0.1					
9 „	.768	.893	80.2	77.0	3.2	75.8	.87	80.4	81.9	W b S	0.1					
10 „	.772	.906	79.6	76.6	3.0	75.4	.88	79.8	81.8	„	0·0					
11 „	.759	.897	79.2	76.4	2.8	75.3	.88	79.7	81.6	„	0.1					
Aug. 29th-Midnight	.748	.868	79.0	76.8	2.2	75.9	.91	79.4	81.6	WSW	0.1					
1 a. m.	.741	.847	79.2	77.2	2.0	76.4	.92	79.5	81.4	„	0.1					
2 „	.731	.843	79.0	77.0	2.0	76.2	.92	79.2	81.3	„	0.2					
3 „	.730	.838	79.2	77.0	2.2	76.4	.92	79.4	81.3	„	0.1					
4 „	.730	.842	79.0	77.0	2.0	76.2	.92	79.1	81.2	„	0·1					
5 „	.736	.848	79.0	77.0	2.0	76.2	.92	79.0	81.0	W	0.1					
6 „	.755	.852	78.4	77.2	1.2	76.7	.95	78.8	81.0	WSW	0.1					
7 „	.782	.865	80.0	78.0	2.0	77.2	.92	80.0	81.0	„	0·1					
8 „	.791	.920	79.8	76.8	3.0	75.6	.88	79.9	81.2	„	0.1					
9 „	.807	.880	82.2	78.8	3.4	77.6	.86	82.0	81.4	W b S	0.1					
10 „	.805	.842	84.2	80.2	4.0	78.8	.84	83.6	81.8	W	0.1					
11 „	.799	.836	85.0	80.4	4.6	78.8	.82	84.1	81.9	„	0·3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌐ cirro-strati; ⌒ cumulo-strati; and ⌐ nimbi.	
8	L	Overcast with ⌐, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 84°0. Daily fall of rain by Osler's Gauge 0.16in.
8	C	" "	
8	C	Overcast; a few stars dimly visible.	
8	C	" "	
8	C	Overcast with ⌐.	
7	G M	Densely clouded with ⌐.	
7	G M	Densely clouded with ⌐, a few ⌐ in W hem.	
8	G M	Overcast with ⌐; drizzling rain at 7h. 33m. which lasted 9m.	
8	G M	Overcast; no rain.	
8	L	Overcast; a passing shower of rain at 9h. 46m.	
8	L	Overcast; drops of rain falling now and then.	
8	L	Overcast; no rain.	
6	L	⌐ scattered throughout.	
7	C	"	
6	C	⌐ scattered about; ⌐ in SE and S of zth.	
5	C	⌐ scattered about hor., moving E; ⌐ here and there discernible.	
5	C	⌐ around hor.; ⌐ scattered throughout; ⌐ above NE and E hor.	
6	G M	⌐ scattered about, moving E; drizzling rain at 5h. 23m. and at 5h. 53m. which lasted respectively 7h. 2m.	
8	G M	Overcast with ⌐; no rain.	
8	G M	" "	
7	G M	⌐ scattered throughout, moving E.	
6	L	⌐ scattered throughout, moving NE.	
8	L	Densely clouded with ⌐; breaks in NE and E.	
8	L	Densely clouded; breaks in NW.	
4	L	⌐ scattered a bout hor., moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 84°0.
8	N	Overcast with ⌐ and ⌐, both moving ENE.	
8	N	Overcast with ⌐, moving NE; passing shower of rain at 2h. 6m.	
8	N	Overcast; no rain.	
5	N	⌐ around hor.; ⌐ scattered throughout, moving NE.	
5	G M	" " "	
3	G	⌐ scattered about hor.; ⌐ in E hem., haze around hor.	
7	G M	⌐ scattered throughout, moving NNE; light haze in hor.	
4	G	⌐ around hor. fleecy clouds about zth., moving NNE; light haze in hor.	
3	L	⌐ scattered about hor. and a few in zth., moving ENE.	
4	L	⌐ scattered about hor. and a few in zth., moving E.	
5	L	⌐ scattered about, moving ENE; ⌐ above SW and W hor.	
7	L	⌐ around hor.; ⌐ scattered throughout.	
6	G	⌐ and ⌐ scattered about; former moving E.	
6	B	" "	
7	B	⌐ scattered throughout, moving E.	
5	B	⌐ scattered about hor., moving E; ⌐ about zth.	
4	G	⌐ scattered about rather densely around hor., moving E.	
4	G	Masses of ⌐ and ⌐ around hor.; ⌐ scattered about zth., moving E; a passing shower of rain at 6h. 54m.	
7	G	⌐ scattered throughout moving E; drops of rain falling now and then.	
7	G	Densely clouded with ⌐ except in N, where a few stars are dimly visible.	
3	L	⌐ scattered about hor.	
4	L	⌐ and light ⌐ scattered about hor.	
3	L	⌐ around hor.; ⌐ scattered here and there.	
6	L	⌐ scattered about except about zth., moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 84°0. Temperature of Air at 2 P. M. was greatest during the month, and about 3°0 greater than the Normal Mean for that hour.
5	B	⌐ scattered about hor.; ⌐ about zth.	
3	B	Masses of ⌐ scattered about hor., moving NE; a few ⌐ in N of zth.	
6	B	⌐ around hor.; ⌐ scattered about.	
6	B	" "	
6	G M	clouded as before; light haze in hor.	
4	G M	Masses of ⌐ scattered chiefly around hor.; a few ⌐ in ESE and W; light haze in hor.	
3	G M	Masses of ⌐ scattered about hor., moving NE; ⌐ and ⌐ in E; light haze in hor.	
8	G M	Overcast with ⌐, moving NE.	
7	L	⌐ scattered throughout, moving NE; light ⌐ above W and NW hor.	
7	L	⌐ and ⌐ scattered throughout, former moving NE.	
7	L	⌐ scattered about hor., moving E; ⌐ in W hem.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 29th-Noon.	29.787	28.831	86°4	80°6	5°8	78°5	0.78	84°6	82°2	W	0.2					
1 p. m.	.769	.812	86.7	80.7	6.0	78.6	.78	84.8	82.4	W b S	0.2					
2 „	.756	.877	87.3	79.0	8.3	75.9	.70	85.4	82.5	WSW	0.1					
3 „	.749	.862	86.5	79.0	7.5	76.2	.72	84.9	82.6	W b S	0.1					
4 „	.736	.970	84.3	77.9	6.4	75.4	.76	83.1	82.5	„	0.1					
5 „	.736	.910	82.9	76.5	6.4	74.0	.75	82.9	82.4	W	0.2					
6 „	.743	.894	82.0	76.2	5.8	73.9	.74	81.7	82.3	„	0.1					
7 „	.749	.920	80.8	76.0	4.8	74.1	.81	80.6	82.0	WSW	0.1					
8 „	.756	.929	80.4	76.4	4.0	74.8	.84	80.2	81.8	W	0.1					
9 „	.757	.929	80.0	75.8	4.2	74.1	.83	80.0	81.8	„	0.1					
10 „	.756	.924	80.2	76.2	4.0	74.6	.84	80.0	81.7	„	0.1					
11 „	.754	.894	79.8	76.5	3.3	75.2	.86	79.9	81.5	„	0.1					
Aug. 31st-Midnight	.677	.796	79.6	77.0	2.6	76.0	.89	79.6	81.0	W b S	0.2					
1 a. m.	.657	.762	79.5	77.3	2.2	76.5	.91	79.7	81.2	„	0.1					
2 „	.641	.757	79.4	77.0	2.4	76.1	.90	79.6	81.1	„	0.2					
3 „	.627	.743	79.4	77.0	2.4	76.1	.90	79.6	81.1	W b N	0·8					
4 „	.628	.744	78.6	76.8	1.8	76.1	.92	78.9	80.9	W	0.3	0·01				
5 „	.629	.750	78.8	76.7	2.1	75.9	.91	79.0	80.8	W b S	0.2					
6 „	.645	.787	79.2	76.3	2.9	75.1	.88	79.2	80.8	WNW	0.3					
7 „	.665	.782	79.8	77.1	2.7	76.0	.89	79.8	80.8	W b N	0.3					
8 „	.679	.802	80.0	77.0	3.0	75.8	.88	79.8	80.9	WNW	0.3					
9 „	.687	.812	80.2	77.0	3.2	75.8	.87	80.2	81.0	„	0.3					
10 „	.692	.799	82.2	78.0	4.2	76.4	.83	82.4	81.2	„	0.2					
11 „	.691	.814	83.6	78.0	5.6	75.8	.78	83.2	81.5	„	0.4					
Noon.	.673	.789	83.0	78.0	5.0	76.1	.80	82.8	81.6	„	0.2					
1 p. m.	.668	.818	79.9	76.3	3.6	74.8	.86	80.2	81.4	„	0.1	0.08				
2 „	.651	.749	79.9	77.6	2.3	76.7	.90	80.2	81.1	W	0.2	0·16				
3 „	.638	.788	78.2	75.8	2.4	74.8	.90	80.3	81.2	W b N	0.1	0.03				
4 „	.636	.766	80.6	77.0	3.6	75.6	.85	80.4	81.2	„	0.3					
5 „	.638	.744	79.9	77.4	2.5	76.4	.89	79.8	81.2	„	0.3					
6 „	.651	.791	79.4	76.4	3.0	75.2	.88	79.4	81.2	W	0.2					
7 „	.671	.818	79.2	76.6	2.6	75.6	.89	79.3	81.0	„	0.2					
8 „	.683	.830	79.2	76.6	2.6	75.6	.89	79.3	81.0	W b S	0.2					
9 „	.699	.813	79.2	77.0	2.2	76.1	.91	79.0	81.0	„	2.2					
10 „	.707	.819	79.0	77.0	2.0	76.2	.92	79.2	81.0	„	0.1					
11 „	.703	.823	79.0	76.8	2.2	75.9	.91	79.0	80.8	WSW	0.3					
Sept. 1st-Midnight	.700	.836	78.4	76.2	2.2	75.4	.91	78.4	80.6	WSW	0.3					
1. a. m.	.701	.865	77.4	75.2	2.2	74.3	.91	78.0	80.6	SW	0.0					
2 „	.688	.851	76.5	75.0	1.5	74.4	.93	77.0	80.5	WSW	0.0	0·03				
3 „	.689	.809	76.9	76.2	0.7	75.9	.97	77.6	80.3	„	0.1					
4 „	.701	.880	75.2	74.2	1.0	73.8	.96	74.4	80.0	W b N	0.1	0.30				
5 „	.702	.835	75.6	75.5	0.1	75.5	1.00	76.3	79.8	SW	0.0	0·13				
6 „	.716	.829	76.6	76.3	0.3	76.2	0.99	77.0	79.9	SW b S	0.0					
7 „	.735	.831	77.6	77.1	0.5	76.8	.98	77.9	80.0	SSW	0.0					
8 „	.761	.801	79.2	78.8	0.4	78.7	.98	79.3	80.2	S	0.0					
9 „	.780	.801	82.0	80.0	2.0	79.3	.92	81.5	80.5	SW b W	0.1					
10 „	.773	.870	79.5	77.5	2.0	76.7	.92	79.8	80.6	WSW	0.0	0·02				
11 „	.771	.810	83.6	80.0	3.6	78.7	.85	83.0	81.0	W b S	0.0					
Noon.	.760	.795	85.4	80.6	4.8	78.8	.81	84.0	81.4	W	0.1					
1 p. m.	.750	.811	85.3	79.9	5.4	78.0	.79	83.8	81.5	WSW	0.2					
2 „	.726	.775	86.1	80.4	5.7	78.4	.78	84.6	81.7	„	0.2					
3 „	.717	.775	86.6	80.3	6.3	78.1	.77	84.9	81.9	W b S	0.3					
4 „	.721	.801	85.5	79.5	6.0	77.3	.77	84.2	82.1	„	0.3					
5 „	.728	.801	83.2	79.9	4.1	77.6	.84	84.0	82.0	„	0.1					
6 „	.745	.783	81.6	79.5	2.1	78.7	.91	82.6	81.9	„	0.0					
7 „	.773	.743	80.9	80.9	0.0	80.9	1.00	81.5	81.6	„	0.0					
8 „	.783	.744	80.2	81.0	0.8	81.2	.00	80.2	81.5	„	0.0					
9 „	.787	.780	80.2	80.2	0.0	80.2	.00	80.2	81.5	WSW	0.0					
10 „	.789	.825	79.2	78.9	0.3	78.8	0.99	79.2	81.4	„	0.0					
11 „	.783	.878	79.2	76.2	3.0	76.8	.88	79.2	81.2	SW	0.0					

Immeasurable. None. None. None. None.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩≤ cumuli; ⌒≤ cirro-strati; ∩∩≤ cumulo-strati; and ≤≤ nimbi.	
6	L	≤≤ and ≤ scattered about, former moving ENE.	
5	C	" "	
5	C	≤≤ around hor., moving ENE; ≤ and ≤≤ scattered in W hem.	
7	C	Nearly overcast with ≤≤ and ≤≤, former moving E.	
8	C	Overcast with ≤≤ and ≤≤, former moving ENE.	
8	G M	" "	
8	G M	Overcast with ≤≤ and ≤≤, former moving NE; light haze in hor.	
8	G M	" "	
5	G M	≤≤ around hor.; ≤≤ scattered about. " "	
5	G M	" "	
8	G M	Overcast with ≤≤, moving NE; a shower of rain at full hour which lasted 3m.	
8	G M	Overcast with ≤≤ and ≤≤, both moving NNE.	
8	G M	Overcast with ≤≤, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8. Daily fall of rain by Osler's Gauge 0.28in.
8	B	Overcast with ≤≤, moving E.	
8	B	" "	
8	B	Overcast; light rain at 3h. 1m. & at 3h. 6m., which lasted respectively 2h. 9m.	
8	B	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	G M	" "	
8	G M	" "	
8	G M	" "	
8	G M	Overcast; drizzling rain at 12h. 5m. which lasted 4m.	
8	B	Overcast; rain commenced a minute before 1h. and ceased at 1h. 15m.	
8	B	Overcast; drizzling rain at 2h. 31m. which lasted 6m. light rain commenced at 2h. 51m.	
8	B	Overcast; rain ceased at 3h. 3m.	
8	B	Overcast with ≤≤, moving E.	
8	C	" "	
8	G M	" "	
8	N	" "	
8	N	" "	
8	G M	" "	
8	G M	" "	
8	G M	" "	
8	G M	Overcast with ≤≤, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8. Daily fall of rain by Osler's Gauge 0.52in. The Observations of Wet Bulb Thermometer from 7 P. M. to 10 P. M. are probably vitiated.
8	B	Overcast; a shower of rain at 1h. 44m. which lasted 5m.	
8	B	Overcast; no rain.	
8	B	Overcast; rain at 3h. 35m. which lasted 2m., but re-commenced at 3h. 44m.	
8	B	Overcast; rain ceased at 4h. 25m.	
8	N	Overcast; no rain.	
8	N	" "	
8	N	Overcast with light ≤≤ and ≤≤, former moving ENE.	
7	N	Densely clouded with ≤≤ and ≤≤, former moving E.	
7	G M	≤≤ and ≤≤ scattered throughout; light rain at 9h. 25m. which lasted 5m.	
7	G M	≤≤ scattered throughout, moving E.	
7	G M	" "	
4	G M	≤≤ around hor.; ≤≤ scattered about, moving E.	
5	B	≤≤ scattered about, moving E.	
4	B	≤≤ scattered about hor.; patches of ≤≤ in SW and W above hor.	
4	B	≤≤ scattered about hor. but quite cloudless about 2th.	
6	B	≤≤ around hor., moving E; ≤≤ scattered about.	
6	R	" " "	
6	R	Overcast; moving E.	
4	R	≤≤ around hor.; ≤≤ scattered about.	
2	R	Patches of ≤≤ scattered about, rather densely around hor.	
2	G M	Masses of ≤≤, moving E; a shower of rain at 9h. 30m. which lasted 2m.	
2	G M	Masses of ≤≤, moving E; no rain.	
2	G M	" " "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 2nd-Midnight	29.773	28.893	79°0	76°8	2°2	75°9	0.91	79°0	81°2	SW b W	0.0					
1 a. m.	.767	.893	78.5	76.5	2.0	75.7	.92	79.0	81.0	„	0·0					
2 „	.753	.876	78.6	76.6	2.0	75.8	.92	79.0	81.0	„	0·0					
3 „	.747	.884	78.5	76.2	2.3	75.3	.90	78.8	80.9	„	0.0					
4 „	.749	.885	78.4	76.2	2.2	75.3	.91	78.7	80.7	„	0.1					
5 „	.759	.975	77.6	74.0	3.6	72.6	.85	77.8	80.7	„	0.6					
6 „	.777	.972	77.7	74.5	3.2	73.2	.87	78.2	80.5	SW	0.1					
7 „	.795	.929	79.2	76.5	2.7	75.4	.89	79.1	80.6	WSW	0.1					
8 „	.819	.967	80.5	76.5	4.0	74.9	.84	80.2	80.6	W	0.1					
9 „	.833	.928	81.8	78.2	3.6	76.8	.87	81.8	81.0	SW b W	0·0					
10 „	.835	.918	83.8	79.0	4.8	77.2	.87	82.8	81.3	„	0.1					
11 „	.813	.890	85.2	79.5	5.7	77.4	.79	83.5	81.5	„	0.1	None.	None.	None.	None.	None.
Noon.	.800	.952	86.3	78.0	8.3	74.8	.69	84.2	81.7	W b S	0.0					
1 p. m.	.788	.863	86.9	80.0	6.9	77.5	.75	85.0	81.9	WSW	0.3					
2 „	.766	.874	86.1	79.0	7.1	76.4	.74	84.7	82.1	W b N	0·2					
3 „	.759	.931	85.9	77.4	8.5	74.0	.69	84.3	82.3	WNW	0·3					
4 „	.756	.901	82.0	77.0	5.0	75.0	.80	81.0	82.0	NW	0·7					
5 „	.766	.929	80.1	76.0	4.1	74.4	.83	79.5	81.7	NW b N	0·4					
6 „	.777	.932	79.4	76.0	3.4	74.7	.86	79.5	81.5	NNW	0·1					
7 „	.791	.945	79.3	76.0	3.3	74.7	.86	79.5	81.4	SW b S	0·2					
8 „	.817	.959	78.9	76.2	2.7	75.1	.89	79.2	81.2	S b W	0·2					
9 „	.819	.992	78.4	75.8	2.6	74.7	.89	79.0	81.2	„	0·0					
10 „	.822	.969	78.6	76.0	2.6	75.0	.89	79.0	81.0	„	0·0					
11 „	.802	.935	78.8	76.4	2.4	75.5	.90	79.0	80.9	„	0·0					
Sept. 3rd-Midnight	.794	.929	78.6	76.3	2.3	75.4	.90	79.0	80.9	S b W	0.0					
1 a. m.	.793	.937	78.4	76.0	2.4	75.1	.90	78.7	80.8	S	0.1					
2 „	.769	.901	77.9	76.0	1.9	75.5	.94	78.2	80.7	S b E	0.0					
3 „	.759	.875	77.6	76.5	1.1	76.1	.95	78.2	80.6	„	0.0					
4 „	.758	.879	77.3	76.3	1.0	75.9	.96	78.0	80.5	„	0.0					
5 „	.773	.882	77.9	76.8	1.1	76.3	.95	78.0	80.5	„	0.1					
6 „	.779	.888	77.3	76.6	0.7	76.3	.97	77.8	80.5	„	0.0					
7 „	.807	.863	79.5	78.5	1.0	78.1	.96	80.0	80.5	SSE	0.2					
8 „	.827	.847	81.5	79.9	1.6	79.3	.93	81.4	80.7	„	0.2					
9 „	.831	.849	83.7	80.5	3.2	79.4	.87	83·0	81.1	„	0.2					
10 „	.824	.876	84.8	80.0	4.8	78.3	.81	83.4	81.5	„	0·1					
11 „	.814	.902	85.0	79.2	5.8	77.1	.78	84.0	81.7	„	0·1	None.	None.	None.	None.	None.
Noon.	.793	.898	85.8	79.0	6.8	76.5	.75	84.0	81.9	WSW	0.1					
1 p. m.	.769	.878	86.2	79.0	7.2	76.3	.73	84.5	82.2	„	0.2					
2 „	.752	.870	87.0	79.0	8.0	76.0	.71	84.9	82.4	W b S	0·2					
3 „	.744	.839	87.2	79.6	7.6	76.8	.72	85.2	82.5	WSW	0.1					
4 „	.743	.855	87.2	79.2	8.0	76.2	.71	85.0	82.6	„	0.1					
5 „	.749	.886	84.5	77.9	6.6	75.3	.75	83.0	82.5	W b S	0.1					
6 „	.760	.912	82.3	76.9	5.4	74.8	.79	81.5	82.3	„	0·1					
7 „	.765	.898	80.9	77.0	3.9	75.5	.84	80.6	82.0	W b N	0·0					
8 „	.779	.914	80.4	76.8	3.6	75.4	.85	80.4	81.9	„	0·2					
9 „	.807	.959	79.8	76.2	3.6	74.8	.85	80.1	81.7	„	0.2					
10 „	.808	.962	79.3	76.0	3.3	74.7	.86	79.5	81.6	W	0·0					
11 „	.798	.945	78.9	76.1	2.8	75.0	.89	79.1	81.4	„	0·0					
Sept. 4th-Midnight	.780	.924	78.4	76.0	2.4	75.1	.90	78.7	81.3	W	0.0					
1 a. m.	.771	.908	78.1	76.1	2.0	75.3	.92	78.5	81.2	W b N	0.0					
2 „	.757	.901	78.4	76.0	2.4	75.1	.90	78.8	81.1	„	0.0					
3 „	.744	.888	78.4	76.0	2.4	75.1	.90	78.7	81.0	„	0.0					
4 „	.750	.911	77.8	75.4	2.4	74.4	.90	78.3	80.8	W	0.0					
5 „	.758	.879	77.7	76.0	1.7	75.9	.93	78.0	80.6	WSW	0.0					
6 „	.776	.898	77.6	76.0	1.6	75.9	.93	78.0	80.6	„	0.0	None.	None.	None.	None.	None.
7 „	.793	.909	80.5	77.3	3.2	76.1	.87	80.2	80.7	„	0.0					
8 „	.812	.965	81.7	76.7	5.0	74.7	.80	81.1	81.0	„	0·0					
9 „	.816	.968	83.4	77.2	6.2	74.8	.76	82.4	81.1	„	0·1					
10 „	.816	.948	83.6	77.8	5.8	75.5	.78	82.7	81.3	„	0.1					
11 „	.802	.917	84.9	78.5	6.4	76.1	.76	83.5	81.6	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
4	G M	Masses of ≀≀ scattered about, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8.
3	B	Patches of light ≀≀ scattered here and there, moving ENE.	
8	B	Overcast with ≀≀, moving ENE; a break about zth.	
1	B	≀≀ scattered around hor.; otherwise cloudless.	
6	B	≀≀ scattered about, moving E.	
6	R	" "	
5	R	" "	
6	R	" "	
6	R	" "	
6	G M	" "	
4	G M	≀≀ scattered around hor.; ≀ and ≀≀ here and there.	
3	G M	≀≀ in S and W above hor.; pieces of ≀≀ scattered about, moving E.	
4	G M	≀≀ scattered about, moving E; a few patches of ≀≀ in E of zth.	
6	B	≀≀ scattered about; patches of ≀≀ above N hor.	
6	B	≀≀ scattered about; patches of ≀≀ in E.	
6	B	≀≀ and ≀≀ scattered about, both moving E.	
7	B	" "	
7	R	" "	
7	R	" "	
7	R	" "	
6	R	" "	
7	G M	≀≀ scattered throughout, except in zth.	
7	G M	" "	
8	N	Overcast with ≀≀ whose motion was not apparent; a few stars dimly visible.	
8	N	Overcast with ≀≀, moving E; a few stars dimly visible.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8.
3	B	≀≀ scattered about hor., moving E.	
3	B	" "	
7	B	≀≀ scattered throughout.	
3	B	Masses of ≀≀, moving E.	
3	R	" "	
3	R	≀≀ around hor.; ≀≀ scattered about, moving NNE.	
5	R	≀≀ and ≀≀ scattered about, both moving E.	
5	R	" "	
7	N	" "	
5	N	" "	
8	N	Overcast with ≀≀, moving NE.	
3	N	≀≀ and ≀≀ around hor.; a few patches of ≀≀ in N, NE, and E.	
2	L	≀≀ scattered about hor., except in S and NW.	
2	L	Light ≀≀ scattered about hor.; ≀ above E and SE hor.	
2	L	" "	
3	L	≀≀ around hor.; a few masses about zth.; light ≀ scattered about.	
3	R	Light ≀≀ and ≀ scattered about, former moving E.	
2	R	≀≀ and ≀≀ scattered about hor.; light ≀ here and there.	
2	R	≀≀ around hor. and in W, moving E.	
2	R	Masses of light ≀≀, moving E.	
2	B	Light ≀≀ scattered around hor.; otherwise clear.	
2	B	" "	
2	B	" "	
1	B	Patches of ≀≀ around hor.; otherwise clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8.
3	B	≀≀ scattered about hor., moving E.	
3	L	Masses of ≀≀ scattered about, moving E.	
2	L	Light ≀≀ scattered around hor.	
2	L	Masses of ≀≀ around hor.; a few pieces about zth., moving NE.	
2	R	" " "	
3	R	Masses of ≀≀ scattered about, moving NE.	
3	R	" "	
3	R	" "	
4	B	≀≀ and ≀ scattered about, former moving E.	
7	B	≀≀ and ≀ scattered throughout.	
6	B	≀≀ scattered around hor.; light ≀ scattered throughout.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 4th-Noon.	29.790	28.880	85°9	79°4	6°5	77°0	0.76	84°5	81°7	SW	0.1					
1 p. m.	.769	.899	85.0	78.2	6.8	75.6	.74	83.9	82.1	SW b W	0.1					
2 „	.749	.858	86.2	79.0	7.2	76.3	.73	84.6	82.2	W b S	0.1					
3 „	.736	.874	85.0	78.0	7.0	74.9	.74	83.4	82.3	„	0.1					
4 „	.727	.858	84.4	78.0	6.4	75.5	.76	83.3	82.3	„	0.1					
5 „	.731	.862	84.4	78.0	6.4	75.5	.76	83.0	82.2	W	0.1					
6 „	.751	.894	81.8	77.0	4.8	75·1	.81	81.5	82.1	W b N	0.1	None.	None.	None.	None.	None.
7 „	.758	.904	80.3	76.5	3.8	75.0	.85	80.5	81.9	„	0.1					
8 „	.775	.922	79.3	76.3	3.4	75.0	.86	80.0	81.7	„	0.0					
9 „	.790	.936	79.6	76.3	3.3	75.0	.86	79.9	81.6	„	0·0					
10 „	.780	.931	79.4	76.1	3.3	74.8	.86	79.8	81.5	W	0.0					
11 „	.772	.881	79.1	76.1	2.0	76.3	.92	79.5	81.3	„	0.0					
Sept. 6th-Midnight	.783	.936	79.2	76.0	3.2	74.7	.87	79.2	81.5	SW b W	0.0					
1 a. m.	.766	.902	79.0	76.4	2.6	75.4	.89	79.1	81.4	„	0.0					
2 „	.746	.889	78.4	75.8	2.6	75.1	.89	78.5	81.3	SW	0.0					
3 „	.739	.869	78.9	76.5	2.4	75.6	.90	79.2	81.2	W b S	0·0					
4 „	.740	.879	78.9	76.3	2.6	75.2	.89	79.2	81.1	„	0.0					
5 „	.758	.899	78.8	76.2	2.6	75.2	.89	79.0	81.1	W	0.0					
6 „	.765	.905	78.1	76.0	2.1	75.2	.91	78.3	81.0	W b S	0.0					
7 „	.783	.866	80.0	78.0	2.0	77.2	.92	80.1	81.0	„	0.0					
8 „	.815	.885	82.6	79.0	3.6	77.7	.86	82.0	81.3	WSW	0.0					
9 „	.819	.925	83.6	78.4	5.2	76.4	.80	82.6	81.7	W b N	0.1					
10 „	.820	.899	85.8	79.6	6.2	77.4	.77	84·6	82.0	W b S	0·1					
11 „	.814	.888	86.8	80.0	6.8	77.5	.75	85.2	82.3	„	0·2					
Noon.	.796	.844	87.4	80.6	6.8	78.4	.75	86.0	82.5	W b N	0·2	None.	None.	None.	None.	None.
1 p. m.	.780	.861	87.1	79.9	7.2	77.3	.74	85.6	82.6	W	0·1					
2 „	.764	.860	87.7	79.7	8.0	76.8	.71	85.7	82.8	„	0·2					
3 „	.751	.853	88.0	79.5	8.5	76.4	.71	86.0	83.0	„	0.2					
4 „	.738	.840	87.5	79.5	8.0	76.6	.71	85.5	83.3	W b S	0.2					
5 „	.746	.878	85.4	78.2	7.2	75.5	.73	83.8	83.2	W b N	0.3					
6 „	·752	.888	83.0	77.5	5.5	75.4	.79	82.1	83.0	„	0.1					
7 „	.764	.878	81.7	77.7	4.0	76.1	.84	81.5	82.6	„	0.1					
8 „	.795	.905	81.7	77.8	3.9	76.3	.85	81.5	82.5	W	0.2					
9 „	.801	.932	81.8	77.3	4.5	75.5	.82	81.6	82.5	W b N	0.2					
10 „	.807	.924	81.6	77.6	4.0	76.0	.84	81.6	82.4	W	0.1					
11 „	.806	.934	81.2	77.2	4.0	75.6	.84	81.3	82.3	W b W	0.1					
Sept. 7th-Midnight	.795	.925	80.6	77.0	3.6	75.6	.85	80.7	82.2	W b S	0.0					
1 a. m.	.784	.898	79.9	77.2	2.7	76.1	.89	80.1	82.0	„	0.0					
2 „	.758	.908	79.9	76.3	3.6	74.8	.85	80.1	81.9	W b N	0.0					
3 „	.757	.885	79.7	76.8	2.9	75.6	.88	80.0	81.7	W	0.0					
4 „	.762	.885	80.0	77.0	3.0	75.8	.88	80.1	81.7	„	0.0					
5 „	.774	.884	79.2	77.0	2.2	75.3	.90	79.8	81.5	NW b N	0·4					
6 „	.786	.909	79.0	76.6	2.4	76.8	.90	79.3	81.5	W b N	0·0					
7 „	.817	.969	80.5	76.4	4.1	75.8	.84	80.7	81.6	„	0.4					
8 „	.832	.957	82.5	77.6	4.9	74.8	.81	82.0	81.7	„	0.2					
9 „	.841	.920	84.2	79.2	5.0	75.4	.81	83.6	82.0	„	0.2					
10 „	.849	.979	86.6	78.6	8.0	77.6	.71	85.3	82.4	WNW	0.3					
11 „	.852	.941	87.4	79.8	7.6	75.0	.72	85.9	82.7	„	0.2					
Noon.	.833	.916	87.6	80.0	7.6	77.2	.72	86.3	83.0	„	0.3					
1 p. m.	.812	.906	88.6	80.0	8.6	77.8	.69	86.5	83.1	W b N	0.2	None.	None.	None.	None.	None.
2 „	.792	.887	88.8	80.0	8.8	76.8	.67	86.8	83.3	WNW	0·2					
3 „	.770	.889	88.6	79.4	9.2	76.0	.67	86.0	83.4	W b N	0·2					
4 „	.764	.877	87.7	79.3	8.4	76.2	.70	85.5	83.6	„	0·1					
5 „	.767	.894	84.7	78.2	6.5	75.7	.75	83.8	83.5	„	0·1					
6 „	.779	.921	82.8	77.3	5.5	75.1	.79	82.3	83.2	„	0.2					
7 „	.801	.944	82.2	77.0	5.2	75.0	.80	81.9	83.0	WNW	0·2					
8 „	.815	.942	81.6	77.0	4.6	75.9	.82	81.3	82.7	W b N	0.1					
9 „	.827	.955	81.2	77.2	4.0	75.7	.84	81.4	82.6	„	0.1					
10 „	.825	.959	81.0	77.0	4.0	75.4	.84	81.3	82.5	„	0.1					
11 „	.823	.941	81.0	77.4	3.6	76.0	.85	81.2	82.5	WSW	0.1					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
6	B	around hor., moving NE; scattered throughout.	
7	L	and scattered throughout, former moving E.	
6	L	around hor.; scattered throughout.	
6	L	" "	
5	L	" "	
6	B	around hor.; above SE hor.; scattered throughout.	
5	B	and scattered about, former moving E.	
2	B	around hor.; otherwise cloudless.	
1	B	" "	
2	B	" "	
2	B	Masses of , moving E.	
5	B	scattered about, moving E.	
1	L	Masses of , moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8.
5	B	scattered about, moving E.	
5	B	" "	
7	B	Nearly overcast with , moving E.	
6	B	scattered throughout.	
4	R	scattered throughout except about zth.; drizzling rain at 5h. 20m. which lasted 5m.	
8	R	Overcast with , moving E.	
6	R	scattered throughout.	
6	R	"	
6	L	scattered about, moving NE.	
4	L	scattered about hor.	
5	L	scattered about.	
3	L	"	
4	B	scattered about, moving E; above SW and NE hor.	
5	B	scattered about, moving E; above S hor.	
3	B	Masses of , moving E; *in* N, SE, and W above hor.	
4	B	Masses of , moving E; above hor.; patches of about N and W of zth.	
4	R	and scattered throughout, both moving E.	
7	R	Nearly overcast with , moving E.	
6	R	scattered throughout.	
4	R	scattered about.	
8	L	Overcast with , moving E.	
8	L	Overcast; a few stars dimly visible in SW and W.	
5	L	scattered throughout, moving E.	
4	L	scattered about hor., moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8. The Temperature of External and Free Air at 2 P. M. was greatest in the month, and about 4°2 greater than the Normal Mean.
4	B	scattered about, moving E.	
4	B	" "	
4	B	" "	
8	B	Overcast; a few stars dimly visible in N.	
6	R	scattered throughout.	
6	R	"	
7	R	"	
6	R	"	
5	L	around hor.; scattered about.	
5	L	around hor., moving E; scattered in SW, W, and about zth.	
5	L	scattered about, moving E; above hor. from E to W.	
4	L	" " "	
3	B	scattered about, moving E; dense around hor.	
2	B	" " "	
2	B	around hor. and in S; above E, SE, and S hor.	
3	B	scattered about hor.; in SE and E.	
3	R	scattered about; in SE.	
7	R	Nearly overcast with , moving E.	
5	R	scattered throughout, moving E.	
2	R	Masses of , moving E.	
3	L	scattered about hor.	
7	L	scattered throughout.	
2	L	scattered around hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 8th-Midnight	29.815	28.960	80°2	76°5	3°7	75°0	0.85	80°6	82°3	W b N	0.3					
1 a. m.	.797	.972	78.7	75.3	3.4	73.9	.86	79.0	82.0	„	0·1					
2 „	.789	.936	78.3	75.9	2.4	75.0	.90	78.6	81.8	WNW	0.0					
3 „	.772	.906	78.2	76.2	2.0	75.4	.92	78.2	81.6	N b W	0.1					
4 „	.781	.906	77.4	76.2	1.2	75.8	.95	77.8	81.4	N	0·0					
5 „	.790	.902	77.2	76.5	0.7	76.2	.98	78.0	81.2	„	0·0	0.01				
6 „	.790	.891	77.6	76.9	0.7	76.6	.98	78.0	81.2	ENE	0.0					
7 „	.813	.884	79.1	78.0	1.1	77.6	.95	79.4	81.3	„	0·0					
8 „	.825	.970	79.5	76.3	3.2	75.0	.87	78.8	81.3	NW	0.2					
9 „	.842	.928	81.4	78.3	3.1	77.1	.87	81.8	81.5	N	0.1	0.01				
10 „	.851	.918	85.4	79.8	5.6	77.8	.79	84.2	82.1	W	0·1					
11 „	.837	.904	86.2	80.0	6.2	77.8	.77	84.6	82.3	WNW	0·1					
Noon.	.813	.901	86.6	79.6	7.0	77.1	.76	84.6	82.6	„	0.1		None.	None.	None.	None.
1 p. m.	.778	.928	86.1	78.0	8.1	74.8	.70	84.2	82.6	NW b W	0·3					
2 „	.763	.836	87.5	80.2	7.3	77.6	.73	85.6	82.8	SW	0·2					
3 „	.745	.859	87.4	79.2	8.2	76.1	.70	85.4	82.9	NW b W	0.1					
4 „	.739	.838	83.8	78.6	5.2	76.7	.80	83.5	82.8	NW b N	0·1					
5 „	.757	.919	83.5	77.0	6.5	74.4	.75	82.7	82.7	NW b W	0.2					
6 „	.771	.952	81.7	76.0	5.7	73.7	.78	81.3	82.6	„	0.1					
7 „	.769	.930	80.9	76.3	4.6	74.4	.82	80.7	82.3	„	0.1					
8 „	.781	.969	80.6	75.5	5.1	73.4	.80	80.7	82.2	„	0.4					
9 „	.796	.896	80.8	77.8	3.0	76.6	.88	80.6	82.2	WNW	0.3					
10 „	.796	.942	80.0	76.4	3.6	75.0	.85	80.3	82.1	„	0.0					
11 „	.781	.994	79·0	74.6	4.4	72.8	.82	79.6	81.8	„	0.0					
Sept. 9th-Midnight	.779	.960	79.6	75.4	4.2	73.7	.83	80.1	81.8	WNW	0.0					
1 a. m.	.768	.928	79.8	76.0	3.8	74.5	.84	80.0	81.6	„	0.0					
2 „	.744	.913	79.6	75.7	3.9	74.1	.84	79.7	81.5	„	0.2					
3 „	.740	.905	78.9	75.6	3.3	74.3	.86	79.3	81.4	„	0.0					
4 „	.739	.907	78.4	75.4	3.0	74.2	.87	78.5	81.3	„	0.0					
5 „	.755	.893	77.4	75.9	1.5	75.3	.94	77.9	81.0	„	0.0					
6 „	.774	.906	76.9	75.9	1.0	75.5	.96	77.7	80·9	NW b W	0.0					
7 „	.787	.882	78.9	77.4	1.5	76.8	.94	79.3	81.0	„	0.0					
8 „	.808	.927	81.8	77.6	4.2	76.0	.82	81.2	81.3	„	0.0					
9 „	.814	.966	83.4	77.2	6.2	74.8	.76	82.3	81.7	NW	0.1					
10 „	.814	.861	84.4	80.0	4.4	78.4	.83	83.1	81.9	„	0.1					
11 „	.799	.941	85.4	78.0	7.4	75.1	.72	83.7	82.1	„	0.0					
Noon.	.777	.920	86.2	78.2	8.0	75.1	.71	84.3	82.4	„	0·1	None.	None.	None.	None.	None.
1 p. m.	.758	.909	87.3	78.3	9.0	74.8	.68	85.2	82.4	NW b W	0.2					
2 „	.728	.843	88.2	79.4	8.8	76.1	.68	85.5	82.6	„	0.2					
3 „	.706	.811	88.1	79.6	8.5	76.5	.69	85.6	82.8	„	0.2					
4 „	.696	.795	87.6	79.6	8.0	76.7	.71	85.3	83.2	„	0.2					
5 „	.716	.857	84.9	77.9	7.0	75.2	.74	83.4	83.0	NW	0.2					
6 „	.728	.858	82.9	77.5	5.4	75.4	.79	82.0	82.7	„	0.2					
7 „	.749	.874	81.8	77.0	4.8	75.8	.81	81.4	82.5	NW b W	0.4					
8 „	.758	.869	81.4	77.7	3.7	76·3	.85	81.2	82.5	„	0.2					
9 „	.769	.913	81.2	76.8	4.4	75.1	.82	81.3	82.4	WNW	0.1					
10 „	.771	.925	81.0	76.5	4.5	74.7	.82	81.2	82.3	„	0.1					
11 „	.768	.928	80.6	76.2	4.4	74.5	.82	80.8	82.2	„	0·1					
Sept 10th-Midnight	.758	.888	80.6	77.0	3.6	75.6	.85	80.8	82.1	WNW	0·0					
1 a. m.	.746	.876	80.6	77.0	3.6	75.6	.85	80.7	81.9	NW b W	0.3					
2 „	.739	.878	80.4	76.7	3.7	75.2	.85	80.5	81.8	„	0.3					
3 „	.730	.879	80.2	76.4	3.8	74.9	.85	80.2	81.7	NW	0.3					
4 „	.741	.902	79.9	76.0	3.9	74.4	.84	80.0	81.6	„	0·2					
5 „	.754	.877	80.0	77.0	3.0	75.8	.88	80.0	81.7	„	0.2		None.	None.	None.	None.
6 „	.770	.895	79.8	76.9	2.9	75.8	.88	79.9	81.6	NW b N	0.3					
7 „	.796	.903	80.0	77.4	2.6	76.4	.89	79.8	81.6	NNW	0.1					
8 „	.810	.918	80.8	77.6	3.2	76.4	.87	80.8	81.7	„	0·2					
9 „	.801	.924	82.0	77.6	4.4	75.8	.83	81.5	81.8	„	0.2					
10 „	.797	.921	83.0	77.8	5.2	75.8	.80	82.6	82.0	„	0.2					
11 „	.790	.888	81.4	78.0	3.4	76.7	.86	81.0	82.0	N b W	0.1	0.02				

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
5	L	≀≀ scattered about, moving E; drops of rain between 0h. 15m. and 0h. 20m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8. Daily fall of rain by Osler's Gauge 0.05in.
8	B	Overcast with ≀≀; no rain.	
5	B	≀≀ scattered about; a shower of rain at 2h. 33m. which lasted 2m.	
8	B	Overcast; showers of rain at 3h. 20m. and at 3h. 56m.	
7	B	≀≀ scattered throughout; rain commenced at 4h. 5m. and ceased at 4h. 18m.	
7	R	≀≀ scattered throughout; no rain.	
5	R	" "	
6	R	" "	
7	R	Densely clouded; light rain from 8h. to 8h. 13m.	
7	L	Densely clouded; no rain.	
6	L	≀≀ scattered throughout; patches of ≀≀ about zth.	
3	L	Masses of ≀≀, moving E; ≀ above SE and E hor.	
7	L	≀≀ scattered throughout; ≀≀ above E hor.	
5	B	≀≀ scattered about; dense ≀ above NE hor.; motion of ≀≀ was SE.	
3	B	≀≀ scattered about, moving ESE.	
4	B	≀≀ scattered about, moving SE.	
6	B	" "	
6	R	" "	
3	R	≀≀ around hor.; ≀≀ scattered about zth., moving E.	
1	R	Masses of ≀≀ about S and E hor.	
0	R	Clear, except in hor.	
2	L	≀≀ scattered around hor.	
1	L	"	
2	L	"	
4	L	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8.
6	B	" "	
3	B	≀≀ scattered about hor.	
2	B	"	
3	B	"	
1	R	"	
1	R	Patches of ≀≀, moving E.	
1	R	" "	
2	R	Small masses of ≀≀ scattered about, moving E.	
2	L	≀≀ around hor., moving ESE.	
2	L	Small masses of ≀≀ around hor. and about zth., moving ESE.	
2	L	≀≀ around hor.; ≀ above E and SE hor.	
2	L	≀≀ around hor.; light ≀ scattered here and there.	
2	B	≀≀ and ≀ scattered around hor.	
3	B	Small masses of ≀≀ scattered about, moving E; dense ≀ above N, SE, & W hor.	
3	B	≀≀ and ≀ scattered about hor.	
5	B	≀≀ scattered about, moving E; ≀ around hor. & in zth.; ≀≀ above E and S hor.	
2	R	Dense ≀≀ scattered about hor.	
5	R	≀≀ and ≀≀ scattered about, both moving SE.	
2	R	Dense ≀ scattered about.	
2	R	"	
8	L	≀≀ and ≀ scattered throughout, former moving E; a few stars dimly visible.	
6	L	≀≀ and ≀ scattered about.	
8	L	Overcast with ≀≀ and ≀; a few stars dimly visible in SE and S.	
7	L	≀≀ and ≀ scattered throughout, former moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8. Daily fall of rain by Osler's Gauge 0.04in.
8	B	Overcast with ≀≀, moving E.	
8	B	" "	
8	B	" "	
8	B	" "	
4	R	≀≀ scattered about N and S of zth., moving E.	
3	R	Masses of ≀≀ around hor. and about zth.	
8	R	Overcast with ≀≀, moving E.	
7	R	Nearly overcast with ≀≀, moving SE.	
8	L	Overcast with ≀≀, moving SE.	
8	L	Overcast; light rain commenced at 10h. 52m.	
8	L	Overcast; rain ceased at 11h. 20m.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 10th—Noon.	29.770	28.863	82·4	78·4	4·0	76·9	0.84	82·2	82·0	N b W	0.2	0.01				
1 p.m.	.743	.839	82.7	78.4	4.3	76.8	.83	82.2	82.0	NW b N	0.2					
2 „	.723	.852	81.9	77.4	4.5	75.6	.82	81.7	82.0	„	0·3					
3 „	.710	.841	83.2	77.7	5.5	75.6	.79	82.5	82.1	NW	0.1					
4 „	.705	.834	81.9	77.4	4.5	75.6	.82	81.5	82.1	„	0.2					
5 „	.715	.844	81.3	77.2	4.1	75.6	.84	81.0	82.0	NW b W	0.1		None.	None.	None.	None.
6 „	.738	.823	80.2	78.0	2.2	77.2	.91	79.6	81.9	N b W	0.0					
7 „	.763	.923	77.3	75.3	2.0	74.5	.91	77.0	81.7	N	0.1					
8 „	.776	.939	76.5	75.0	1.5	74.4	.95	76.7	81.0	N b E	0.1					
9 „	.773	.937	76.6	75.0	1.6	74.3	.93	77.4	80.9	„	0.1					
10 „	.767	.913	76.4	75.4	1.0	75.0	.96	77.3	80.8	NNE	0.0					
11 „	.764	.910	76.4	75.4	1.0	75.0	.96	77.0	80.7	NE b N	0.0					
Sept 11th—Midnight	.754	.901	76.0	75.3	0.7	75.0	.97	77.0	80.6	NE b N	0.0					
1 a. m.	.735	.887	75.5	75.0	0.5	74.8	.97	76.0	80.3	„	0.0	0·03				
2 „	.730	.902	75.3	74.4	0.9	74.0	.96	76.0	80.2	„	0.2	0.02				
3 „	.713	.921	74.8	73.3	1.5	72.7	.93	75.1	79.8	NW b W	0.1	0.01				
4 „	.716	.888	75.3	74.4	0.9	74.0	.96	75.9	79.7	„	0.1					
5 „	.731	.865	76.2	75.7	0.5	75.4	.98	76.7	79.7	„	0.3					
6 „	.738	.875	76.7	75.7	1.0	75.3	.96	77.0	79.7	„	0.0					
7 „	.742	.859	76.9	76.3	0.6	76.0	.97	77.2	79.7	W b N	0.0					
8 „	.771	.869	77.0	76.8	0.2	76.7	.97	76.9	79.8	W	0.1					
9 „	.766	.874	76.5	76.4	0.1	76.4	1.00	76.2	79.7	WNW	0.4	0·29				
10 „	.753	.843	77.0	77.0	0.0	77.0	.00	77.5	79.7	W b N	0.3	0.10				
11 „	.735	.808	78.0	77.7	0.3	77.6	0.99	77.7	79.8	NW b W	0.2	0.03				
Noon.	.710	.802	77.2	77.0	0.2	76.9	.99	77.0	79.7	NW	0.4	0.43				
1 p. m.	.681	.753	77.2	77.5	0.3	77.6	1.00	77.0	79.7	„	0.5	0.19				
2 „	.658	.735	76.9	77.3	0.4	77.4	.00	76.5	79.7	WNW	0.4	0.42	−	Out of Sc.	50	0.03
3 „	.671	.757	76.1	76.5	−0.4	76.6	.00	76.3	79.6	N	0·1	1.37				
4 „	.644	.751	76.0	76.3	−0.3	76.4	.00	75.9	79.6	W	0.1	0·70				
5 „	.652	.757	75.5	76.2	−0.7	76.5	.00	75.6	79.4	„	¼ to 2	0.79	+	3		0.12
6 „	.658	.797	74.7	75.1	−0.4	75.2	.00	74.5	79.3	WNW	¼ to 1½	0.33				
7 „	.697	.830	74.7	75.1	−0.4	75.2	.00	74.7	79.2	„	½ to 1½	0.45	+	10		0.17
8 „	.692	.809	74.9	75.7	−0.8	76.0	.00	75.2	79.1	„	¼ to 1	0.40				
9 „	.704	.830	75.0	75.5	−0.5	75.7	.00	75.4	79.0	„	0.0	0.11				
10 „	.699	.803	75.4	76.2	−0.8	76.5	.00	75.6	79.0	W	⅛ to 1	0.43				
11 „	.677	.803	75.3	75.6	−0.3	75.7	.00	75.5	78.9	WSW	¼ to 1½	0.05				
Sept 13th—Midnight	.647	.758	76.8	76.4	0.4	76.3	0.98	77.0	79.0	NW b W	0.1	0·02				
1 a. m.	.637	.748	76.8	76.4	0.4	76.3	.98	77.0	79.0	W b N	0.2					
2 „	.634	.746	76.5	76.3	0.2	76.2	.99	76.9	78.9	W	0.0	0.07				
3 „	.632	.755	75.7	75.8	−0.1	75.8	1.00	76.3	78.8	„	0.0					
4 „	.631	.757	75.5	75.6	−0.1	75.6	.00	75.7	78.7	WNW	0·2	0.01				
5 „	.638	.740	76.3	76.5	−0.2	76.6	.00	76.5	78.7	W b S	0·1	0.09				
6 „	.661	.783	76.4	76.0	−0.4	75.9	0.98	76.6	78.7	W	0.4					
7 „	.688	.797	75.9	76.2	−0.3	76.3	1.00	76.3	78.8	„	¼ to 1½	0.01				
8 „	.703	.796	76.9	76.9	0.0	76.9	.00	77.0	78.8	W b S	0.3					
9 „	.707	.817	77.0	76.5	0.5	76.3	0.98	77.3	78.9	„	0·1					
10 „	.708	.804	77.2	76.9	0.3	76.8	.99	77.3	79.0	„	0.4					
11 „	.694	.819	76.6	76.0	0.6	75.8	.97	77.1	78.9	„	¼ to 2½	0.03				
Noon.	.679	.774	78.2	77.2	1.0	76.8	.96	78.4	79.1	W	0 to 1½		None.	None.	None.	None.
1 p. m.	.656	.755	77.8	77.0	0.8	76.7	.97	78.0	79.2	WNW	¼ to 1					
2 „	.636	.722	78.5	77.5	1.0	77.1	.96	78.6	79.2	„	¼ to ⅜					
3 „	.621	.718	77.6	77.0	0.6	76.8	.97	77.8	79.2	W b N	0 to 1½					
4 „	.611	.725	77.0	76.4	0.6	76.1	.97	77.5	79.2	WNW	0.4					
5 „	.621	.728	77.8	76.8	1.0	76.4	.96	77.8	79.2	W	0.4					
6 „	.632	.734	77.7	76.9	0.8	76.6	.97	78.0	79.2	„	0 to ⅜					
7 „	.657	.757	77.9	77.0	0.9	76.6	.96	78.0	79.1	W b N	0.3					
8 „	.677	.778	78.0	77.0	1.0	76.6	.96	78.1	79.1	W	0.2					
9 „	.687	.780	78.0	77.2	0.8	76.9	.97	78.0	79.3	„	0.2					
10 „	.699	.783	77.2	77.2	0.0	77.2	1.00	77.6	79.2	„	0.2	0.02				
11 „	.695	.792	77.6	77.0	0.6	76.7	.97	78.0	79.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nore.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
8	L	Overcast; no rain.	
8	B	Overcast; a few drops of rain at 1h. 40m.	
8	B	Overcast; drops of rain betwen 2h. 3m. and 2h. 5m.	
8	B	Overcast; no rain.	
8	B	" "	
8	R	" "	
8	R	Overcast with ≋, moving E.	
8	R	Overcast, drizzling rain at 7h. 5m. which lasted 7m.	
8	R	Overcast; no rain.	
8	L	" "	
8	L	Overcast; rain in drops falling from 10h. 18m. to 10h. 58m.	
8	L	Overcast; no rain.	
8	L	Overcast with ≋, moving SE; scattered drops of rain falling from 0h. 15m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°8. Daily fall of rain by Osler's Gauge 6.67. Maximum Tension of Electricity by Henly's Apparatus 7; Maximum length of Spark by Ronald's Measure 0.10in.; the Temperature of External and Free Air at 3 A. M. was lowest in the month, and about 3°0 lower than the Normal Mean; the Temperature of Evaporation at the same hour was also lowest, and about 2°6 lower than the Normal Mean.
8	B	Overcast; rain ceased at 1h. 36m.	
8	B	Overcast; rain at 2h. 17m. which lasted 6m.	
8	B	Overcast; no rain.	
8	B	" "	
8	R	" "	
7	R	Nearly overcast with ≋, moving E.	
8	R	Overcast; rain commenced at 7h. 47m.	
8	R	Overcast; rain ceased at 8h. 18m. but re-commenced at 8h. 30m.	
8	B	Overcast with ≋, moving ESE; rain ceased at 9h. 33m.	
8	L	Overcast; drizzling rain commenced at 10h. 16m.	
8	L	Overcast; raining rather smartly after 11h. 30m.	
8	L	Overcast; drizzling rain at 12h.	
8	B	Overcast; raining smartly.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; rain ceased at 5h. 48m. but re-commenced at 5h. 52m.	
8	B	Overcast with ≋, moving E; raining heavily.	
8	B	" " "	
8	B	" " "	
8	B	" " "	
8	B	Overcast; rain ceased at 10h. 40m.	
8	B	Overcast; no rain.	
8	L	Overcast with ≋, moving SE; a few stars dimly visible in W.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°7 and 83°8. Daily fall of rain by Osler's Gauge 0.33in.; the height of Barometer at 4 P. M. was lowest during the month, and about 0.120in. lower than the Normal Mean.
6	B	≋ scattered throughout, moving SE.	
7	B	≋ scattered throughout; rain commenced at 2h. 8m. which ceased at 2h. 45m.	
6	B	≋ scattered throughout; rain at 3h. 49m. which lasted 8m.	
8	B	Overcast with ≋, moving ESE; rain commenced at 4h. 15m.	
8	R	Overcast with ≋, moving E; rain ceased at full hour.	
8	R	Overcast; rain at 6h. 4m. which ceased at 6h. 16m. but re-commenced at 6h. 28m. which lasted 17m.	
8	R	Overcast with ≋; no rain.	
8	R	Overcast; a few scattered drops of rain at 8h. 3m.	
8	L	Overcast; drizzling rain commenced at 9h. 6m.	
8	L	Overcast; rain ceased at 10h. 48m.	
8	L	Overcast; no rain.	
8	L	" "	
8	B	Overcast; drizzling rain from 1h. 1m. to 1h. 17m.	
8	B	Overcast; drizzling rain from 2h. 2m. to 2h. 20m.	
8	B	Overcast; drizzling rain from 3h. 22m. to 3h. 35m.	
8	B	Overcast; no rain.	
8	R	" "	
8	R	" "	
8	R	" "	
8	R	" "	
8	L	Overcast; rain at 9h. 15m. which lasted 10m.	
8	L	Overcast; no rain.	
8	L	Overcast; a shower of rain at 11h. 17m. which lasted 4m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds from the same degree of tension after discharge.
	in.	in.									lbs.	in.	•	Sc. div.	Sc. div.	m. s.
Sept 14th-Midnight	29.681	28.780	77°8	77°0	0°8	76°7	0.97	77°8	79°2	W	0.1	0.04				
1 a. m.	.677	.819	76·4	75.5	0.9	75.1	.96	76.5	79.1	„	½ to 3½	0.25				
2 „	.658	.782	75·8	75.8	0.0	75.8	1.00	76.3	79.0	„	0.2	0.26				
3 „	.656	.788	75.9	75.6	0.3	75.5	0.99	75.7	79.0	„	0.3	0.06				
4 „	.654	.770	76.6	76.2	0.4	76.1	.98	76.9	79.0	„	0.3	0.02				
5 „	.675	.748	77.6	77.6	0.0	77.6	1.00	77.8	79.0	„	0.2					
6 „	.686	.767	77.3	77.3	0.0	77.3	.00	77.5	79.0	„	0.2					
7 „	.713	.771	77.7	78.0	−0.3	78.1	.01	77.8	79.1	„	0.1	0.02				
8 „	.735	.766	78.0	78.7	−0.7	79.0	.03	78.2	79.1	WSW	0.1	0.02				
9 „	.732	.801	77.2	77.6	−0.4	77.7	.02	77.9	79.1	NW b W	0 to 1½	0.13				
10 „	.733	.713	82.2	81.0	1.2	80.6	0.95	81.5	79.6	WNW	0 2					
11 „	.722	.737	83.0	80.4	2.6	79.5	.90	82.3	80.0	„	0.1					
Noon.	.703	.714	85.0	81.0	4.0	79.6	.84	83.9	80.4	W	0.1		None.	None.	None.	None.
1 p. m.	.684	.714	84.8	80.5	4.3	79.0	.83	83.5	80.6	„	0.2					
2 „	.659	.652	85.4	81.5	3.9	80.2	.85	84.5	80.7	WSW	0.3					
3 „	.645	.693	83.0	79.6	3.4	78.4	.86	82.5	80.9	W b S	0.1					
4 „	.641	.699	81.5	79.0	2.5	78.1	.90	81.3	80.8	„	0.1					
5 „	.655	.711	80.4	78.7	1.7	78.1	.93	80.2	80.6	W	0.1					
6 „	.679	.747	80.1	78.4	1.7	77.7	.93	80.0	80.6	„	0.5					
7 „	.688	.746	79.7	78.5	1.2	78.1	.95	79.5	80.5	„	0.2					
8 „	.728	.796	79.4	78.2	1.2	77.7	.95	79.4	80.5	„	0.1					
9 „	.733	.803	78.8	78.0	0.8	77.7	.97	79.2	80.4	W b N	0.1	0.01				
10 „	.740	.810	78.8	78.0	0.8	77.7	.97	79.2	80.4	W b S	0.1					
11 „	.731	.815	77.6	77.3	0.3	77.2	.99	78.1	80.2	W	0.1	0.08				
Sept 15th-Midnight	.717	.788	78·2	77.8	0.4	77.6	.98	78.6	80.2	W b S	0.1					
1 a. m.	.707	.805	78.1	77.1	1.0	76.7	.96	78.5	80.2	W b N	0.2					
2 „	.691	.772	78.0	77.5	0.5	77.3	.98	78.4	80.1	W	0.1					
3 „	.679	.782	78.2	77.0	1.2	76.5	.95	78.5	80.1	W b N	0.2					
4 „	.691	.801	78.1	76.8	1.3	76.3	.94	78.2	80.0	„	0.1					
5 „	.713	.815	78.1	77.0	1.1	76.6	.95	78.1	80.0	„	0.1					
6 „	.733	.830	78.0	77.1	0.9	76.7	.96	78.0	79.9	W	0.1					
7 „	.760	.833	79.1	78.0	1.1	77.6	.95	79.0	79.9	„	0.2					
8 „	.785	.825	80.3	79.1	1.2	78.7	.95	80.5	80.1	„	0.1					
9 „	.785	.808	82.2	80.0	2.2	79.2	.91	81.9	80.5	WSW	0.1					
10 „	.785	.902	78.4	76.7	1.7	76.0	.93	78.0	80.2	NW b W	0·2	0.06				
11 „	.785	.833	81.4	79.2	2.2	78.4	.91	81.1	80.3	WNW	0.3					
Noon.	.769	.804	84.0	80.2	3.8	78.8	.85	83.0	80.6	„	0.2		None.	None.	None.	None.
1 p. m.	.743	.770	84.1	80.4	3.7	79.1	.85	83.2	80.9	W b S	0.2					
2 „	.710	.737	84.5	80.5	4.0	79.1	.84	83.4	81.1	W	0.1					
3 „	.684	.755	82.7	79.0	3.7	77.6	.85	82.2	81.1	W b N	0.2					
4 „	.685	.752	82.4	79.0	3.4	77.8	.86	81.9	81.2	„	0.1					
5 „	.698	.787	81.3	78.2	3.1	77.0	.87	80.9	81.1	W	0.3					
6 „	.702	.782	80.5	78.2	2.3	77.3	.91	80.1	81.0	„	0.2					
7 „	.720	.803	80.0	78.0	2.0	77.2	.92	80.0	80.9	W b N	0.5					
8 „	.742	.841	79.7	77.5	2.2	76.7	.91	79.8	80.8	„	0.3					
9 „	.759	.861	79.6	77.4	2.2	76.6	.91	79.8	80.8	„	0.2					
10 „	.761	.862	79.4	77.4	2.0	76.6	.92	79.7	80.7	„	0·1					
11 „	.758	.864	79.2	77.2	2.0	76.4	.92	79.4	80.7	„	0.1					
Sept 16th-Midnight	.741	.833	79.0	77.5	1.5	76.9	.94	79.0	80.6	W b N	0.0					
1 a. m.	.725	.832	78.5	77.0	1.5	76.4	.94	78.8	80.5	W	0.0					
2 „	.709	.813	78.3	77.0	1.3	76.5	.94	78.6	80.3	„	0.0					
3 „	.701	.803	78.1	77.0	1.1	76.6	.95	7.84	8.03	W b S	0.0					
4 „	.707	.802	78.2	77.2	1.0	76.8	.96	78.5	80.3	W	0.0					
5 „	.731	.828	78.0	77.1	0.9	76.7	.96	78.0	80.2	„	0.0					
6 „	.741	.838	78.0	77.1	0.9	76.7	.96	78.3	80.2	„	0.0		None.	None.	None.	None.
7 „	.757	.834	78.3	77.7	0.6	77.4	.97	78.7	80.2	„	0.0					
8 „	.776	.843	79.3	78.2	1.1	77.8	.95	79.3	80.2	„	0.0					
9 „	.779	.807	82.3	79.9	2.4	79.1	.90	81.8	80.5	SW	0.1					
10 „	.781	.804	83.8	80.4	3.4	79.2	.87	83.1	80.8	SW b W	0.1					
11 „	.784	.845	85.6	80.0	5.6	78.0	.79	84.0	81.1	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
8	L	Overcast with ≀≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°6 and 83°8. Daily fall of rain by Osler's Gauge 0.91in.; the Temperature of Evaporation at 2 P. M. was greatest, and about 2°6 greater than the Normal Mean.
8	B	Overcast; rain commenced at full hour and ceased at 1h. 38m.	
8	B	Overcast; rain at 2h. 18m. which lasted 3m. but re-commenced at 2h. 48m.	
8	B	Overcast; rain ceased at 3h. 13m.	
8	B	Overcast; no rain.	
8	R	" "	
8	R	Overcast; scattered drops of rain at 6h. 41m. and drizzling rain at 6h. 51m. which lasted respectively 4h. and 2m.	
8	R	Overcast; a few drops of rain at 7h. 14m.	
8	R	Overcast; rain commenced at 8h. 22m. and ceased at 8h. 48m.	
8	L	Overcast; no rain.	
8	L	" "	
8	L	" "	
8	L	" "	
8	B	" "	
8	B	" "	
7	B	≀≀ scattered throughout; ≀≀ above N hor.	
7	B	≀≀ scattered throughout; ≀≀ above N and E hor.; light rain at 4h. 15m. which lasted 4m.	
7	R	≀≀ scattered throughout; ≀≀ above N and E hor.	
7	R	≀≀ scattered throughout.	
7	R	"	
7	R	≀≀ scattered throughout; scattered drops of rain falling now and then.	
7	L	≀≀ scattered throughout; no rain.	
8	L	Overcast with ≀≀; rain commenced at 10h. 7m. which ceased at 10h. 19m.	
8	L	Overcast; no rain.	
6	L	≀≀ scattered throughout, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°5 and 83°8. Daily fall of rain by Osler's Gauge 0.07in.
4	B	" "	
5	B	" "	
3	B	Masses of ≀≀ scattered about hor.	
3	B	"	
3	R	"	
4	R	≀≀ around hor., E, N, and S of zth.	
8	R	Overcast with ≀≀, moving E.	
8	R	" "	
7	L	≀≀ scattered throughout; rain at 9h. 16m. which lasted 3m. but re-commenced at 9h. 24m.	
8	L	Overcast with ≀≀; no rain.	
8	L	" "	
7	L	≀≀ scattered throughout, moving E.	
7	B	" "	
7	B	" "	
8	B	Overcast with ≀≀, moving E.	
8	B	Overcast; a break in S of zth.	
8	B	Overcast.	
8	R	"	
8	R	"	
8	R	"	
8	L	"	
8	L	"	
6	L	≀≀ scattered throughout, except about zth.	
6	L	≀≀ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°8.
3	B	≀≀ scattered about hor.	
3	B	"	
5	D	≀≀ scattered about, moving E.	
4	B	" "	
3	R	≀≀ scattered in N, E, and SE of zth.	
8	R	Overcast with ≀≀.	
7	R	≀≀ and ≀ scattered about, former moving E.	
7	R	≀≀ scattered throughout, moving E.	
7	L	≀≀ around hor.; ≀ scattered throughout.	
7	L	≀≀ around hor., moving ENE; ≀ scattered about zth.	
6	L	≀≀ and ≀ scattered throughout, former moving E.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 16th-Noon.	29.763	28.827	85·2	79·8	5·4	77·9	0.79	83·6	81·4	WSW	0.1					
1 p. m.	.745	.791	85.0	80.2	4.8	78.5	.81	83.9	81.4	„	0.1					
2 „	.723	.828	85.8	79.0	6.8	76.5	.75	83.9	81.6	W b S	0.1					
3 „	.704	.792	86.2	79.5	6.7	77.1	.75	84.3	81.7	WSW	0.1					
4 „	.696	.773	85.6	79.6	6.0	77.4	.77	84.0	82.0	„	0.1					
5 „	.713	.785	83.2	79.1	4.1	77.6	.84	82.4	81.9	„	0.1	None.	None.	None.	None.	None.
6 „	.726	.820	81.0	78.0	3.0	76.8	.88	80.8	81.7	SW b W	0.1					
7 „	.757	.858	80.1	77.6	2.5	76.6	.90	80.1	81.5	SW	0.0					
8 „	.774	.857	79.6	77.9	1.7	77.2	.93	79.9	81.2	SW b S	0.0					
9 „	.786	.902	79.4	77.0	2.4	76.1	.90	79.5	81.2	SW b W	0.0					
10 „	.786	.900	79.2	77.0	2.2	76.1	.91	79.4	81.1	SW	0.0					
11 „	.776	.880	79.0	77.2	1.8	76.5	.92	79.3	80.9	SW b W	0.0					
Sept 17th-Midnight	.768	.876	77.4	77.2	2.2	76.4	.91	79.5	80.8	SW b S	0.2					
1 a. m.	.758	.859	79.4	77.4	2.0	76.6	.92	79.5	80.8	„	0.2					
2 „	.740	.863	79.0	76.7	2.3	75.8	.90	79.1	80.7	SW	0.1					
3 „	.733	.866	78.1	76.2	1.9	75.5	.92	78.3	80.6	„	0.2					
4 „	.737	.870	78.1	76.2	1.9	75.5	.92	78.3	80.5	„	0.2					
5 „	.762	.902	78.0	76.0	2.0	75.2	.92	78.0	80.5	„	0.1					
6 „	.770	.903	78.1	76.2	1.9	75.4	.95	78.0	80.4	SW b S	0.2					
7 „	.793	.870	79.1	77.9	1.2	77.4	.95	79.2	80.4	WSW	0.2					
8 „	.814	.859	81.5	79.3	2.2	78.5	.91	81.0	80.7	S b W	0.1					
9 „	.813	.889	83.2	79.0	4.2	77.5	.84	82.4	81.0	SW b S	0.3					
10 „	.819	.856	84.2	80.2	4.0	78.8	.84	83.3	81.3	„	0.2					
11 „	.814	.872	85.4	80.0	5.4	78.1	.79	84.0	81.5	„	0.2					
Noon.	.804	.832	85.8	80.8	5.0	79.1	.81	84.3	81.7	„	0.1		None.	None.	None.	None.
1 p. m.	.775	.819	86.0	80.5	5.5	78.5	.76	84.5	81.8	SW	0.3					
2 „	.757	.801	86.0	80.5	5.5	78.5	.76	84.8	81.9	„	0.3					
3 „	.748	.834	86.0	79.5	6.5	77.1	.76	84.5	82.1	„	0.2					
4 „	.735	.839	83.9	78.5	5.4	76.5	.79	83.2	82.2	„	0.2					
5 „	.747	.893	82.1	77.0	5.1	75.0	.80	81.7	82.0	„	0.1					
6 „	.757	.880	81.1	77.3	3.8	75.8	.84	81.0	81.8	„	0.4					
7 „	.787	.889	80.6	77.7	2.9	76.6	.88	80.6	81.6	„	0.8					
8 „	.815	.902	80.4	78.0	2.4	77.1	.90	80.2	81.5	SSW	0.2					
9 „	.819	.870	80.2	78.8	1.4	78.3	.94	80.3	81.5	„	0.3					
10 „	.826	.931	77.6	76.8	0.8	76.5	.97	77.6	81.2	„	0.3	0.18				
11 „	.819	.918	77.8	77.0	0.8	76.7	.97	78.3	80.9	S b W	0.3					
Sept 18th-Midnight	.802	.891	78.4	77.4	1.0	77.0	.96	78.8	81.0	SSW	0.4					
1 a. m.	.784	.897	78.3	76.8	1.5	76.2	.94	78.6	80.8	SW b S	0.3					
2 „	.774	.884	78.1	76.8	1.3	76.3	.94	78.5	80.7	SW	0.4					
3 „	.764	.875	77.9	76.7	1.2	76.3	.95	78.3	80.7	SSW	0.5					
4 „	.758	.893	77.9	76.1	1.8	75.4	.92	78.3	80.6	„	0.3					
5 „	.769	.836	78.2	77.9	0.3	77.8	.99	78.2	80.5	S b W	0.2					
6 „	.780	.874	78.1	77.2	0.9	76.8	.96	78.2	80.5	SSW	0.2					
7 „	.783	.883	78.9	77.5	1.4	77.0	.94	79.0	80.5	„	0.6					
8 „	.806	.923	80.2	77.2	3.0	76.0	.88	79·8	80.6	S b W	0.5					
9 „	.812	.893	82.5	78.7	3.8	77.3	.85	81.7	80.8	„	0.4					
10 „	.803	.818	82.2	80.2	2.0	79.5	.92	82.1	81.0	SSW	0.3		None.	None.	None.	None.
11 „	.792	.871	80.4	78.2	2.2	79.4	.91	80.0	81.0	SW b S	0·2	0.06				
Noon.	.775	.800	81.6	79.8	1.8	79.2	.93	81.5	81.1	„	0.3	0.01				
1 p. m.	.737	.754	84.0	80.6	3.4	79.4	.87	83.0	81.4	WSW	0.3					
2 „	.717	.743	84.8	80.6	4.2	79.1	.84	83.5	81.7	„	0.2					
3 „	.703	.812	80.2	77.4	2.8	76.3	.88	79.5	81.5	„	0.5					
4 „	.695	.801	79.2	77.2	2.0	76.4	.92	79·4	81.1	W	0.2					
5 „	.705	.814	79.5	77.2	2.3	76.3	.90	79.7	81.1	„	0.1					
6 „	.723	.832	79.5	77.2	2.3	76.3	.90	79.7	81.0	SW	0.3					
7 „	.744	.815	79.3	78.1	1.2	77.6	.95	79.5	81.0	SW b S	0·2					
8 „	.757	.853	79.4	17.5	1.9	76.8	.92	79.7	81.0	S b W	0.1					
9 „	.770	.850	78.0	77.5	0.5	77.3	.98	78.5	80.7	SSW	0.1	0.02				
10 „	.777	.873	78.7	77.3	1.4	76.8	.94	79.0	80.7	SW b S	0.2					
11 „	.754	.846	79.0	77.5	1.5	76.9	.95	79.1	80.7	SSW	0.2					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
6	L	≀≀ scattered throughout, moving E.	
4	B	≀≀ and ≀ around hor.; ≀≀ scattered about zth.	
3	B	≀≀ scattered about hor.; ≀ above N, E, and S hor.; ≀≀ above S hor.	
4	B	≀≀ scattered about hor., moving ENE; ≀ above E & N hor.; ≀≀ above S hor.	
4	B	≀≀ scattered about, moving ENE; a few ≀ above SE hor.	
5	R	≀≀ and ≀ scattered about, former moving ENE.	
6	R	≀≀ and ≀ scattered about, former moving E.	
6	R	" "	
5	R	" "	
7	L	≀≀ and ≀ scattered throughout, former moving NE.	
6	L	" "	
6	L	" "	
8	L	Overcast with ≀≀ and ≀, former moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°8. Daily fall of rain by Osler's Gauge 0.17in.
8	B	Overcast with ≀≀, moving ENE.	
5	B	≀≀ scattered about, moving NE.	
3	B	≀≀ scattered about hor., moving ENE.	
4	B	Masses of ≀≀ scattered about, moving NE.	
4	R	" "	
4	R	≀≀ and ≀ scattered about, former moving NE.	
5	R	≀≀ scattered about, moving NE; a few ≀ about S, W, and NW of zth.	
6	R	≀≀ scattered about, moving NE.	
7	L	" "	
6	L	" "	
5	L	≀≀ scattered throughout, except about zth.	
6	L	≀≀ scattered throughout, moving NE.	
5	B	≀≀ and ≀≀ scattered about, former moving NE.	
3	B	≀≀ scattered about hor.; ≀≀ above NW hor.	
3	B	≀≀ scattered about hor.; ≀≀ above S and W hor.; ≀ above SE and N hor.	
6	B	≀≀ around hor.; ≀≀ scattered throughout.	
6	R	" "	
7	R	≀≀ scattered throughout, moving NE.	
6	R	≀≀ scattered throughout, moving E; ≀≀ about N of zth.	
6	R	≀≀ and ≀≀ scattered throughout, both moving NE.	
8	L	Overcast with ≀≀, moving NE; rain commenced at 9h. 10m. and ceased at 9h. 40m.	
8	L	Overcast with ≀≀, moving NNE.	
7	L	≀≀ scattered throughout, moving NNE.	
7	L	≀≀ scattered throughout, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°8. Daily fall of rain by Osler's Gauge 0.08in.
8	B	Overcast with ≀≀, moving NNE.	
4	B	≀≀ scattered about, moving NNE.	
3	B	≀≀ scattered about hor., moving NE.	
2	B	" "	
2	R	" "	
5	B	≀≀ scattered about, moving NE.	
6	R	" "	
4	R	" "	
6	B	≀≀ scattered about, moving NE; ≀≀ about zth., moving SW; rain at 9h. 38m. which lasted 8m.	
6	L	≀≀ scattered throughout; ≀ above SE and S hor.; rain commenced at 10h. 50m.	
8	L	Overcast with ≀≀, moving NE; rain ceased at 11h. 6m.	
8	L	Overcast; no rain.	
3	L	≀≀ and ≀ scattered about hor.	
6	L	≀≀ scattered throughout, moving NE; a few scattered drops of rain at 2h. 35m.	
8	L	Overcast with ≀≀, moving E.	
8	L	" "	
8	B	Overcast; a break above E and S hor.	
8	B	Overcast with ≀≀, moving NE.	
8	B	" "	
8	B	Overcast; showers of rain at 8h. 15m. and at 8h. 27m. which lasted respectively 10h. and 6m.	
7	B	≀≀ scattered throughout, moving NE.	
6	B	≀≀ scattered throughout.	
6	B	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in minutes between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 20th-Midnight	29.759	28.893	78°2	76°2	2°0	75°4	0.92	78°5	80°3	NW b W	0·3					
1 a. m.	.739	.903	78.0	75.4	2.6	74.3	.89	78.2	80.3	WNW	0·2					
2 „	.730	.890	77.7	75.4	2.3	74.5	.90	77.9	80.2	W b N	0.3					
3 „	.723	.908	77.1	74.6	2.5	73.5	.89	77.4	79.9	„	0.2					
4 „	.733	.907	76.9	74.8	2.1	74.0	.91	77.1	79.8	„	0.1					
5 „	.756	.922	76.8	75.0	1.8	74.3	.92	76.9	79.7	„	0.1					
6 „	.773	.937	76.6	75.0	1.6	74.3	.93	76.9	79.6	„	0.1					
7 „	.792	.933	78.5	76.1	2.4	75.2	.90	78.3	79.6	„	0.1					
8 „	.811	.952	80.6	76.7	3.9	75.2	.84	79.9	79.9	W	0.4					
9 „	.814	.955	81.6	77.0	4.6	75.2	.82	80.5	80.1	WSW	0·2					
10 „	.822	.942	82.6	77.8	4.8	75.9	.81	81.4	80.4	W	0.4					
11 „	.820	.905	84.0	79.0	5.0	77.2	.81	82.6	80.7	„	0.3	None.	None.	None.	None.	None.
Noon.	.801	.893	84.6	79.0	5.6	76.9	.79	83.0	81.0	W b S	0·2					
1 p. m.	.780	.864	85.3	79.3	6.0	77.2	.77	83.6	81.0	WSW	0.2					●
2 „	.748	.876	84.8	78.2	6.6	75.6	.75	83.3	81.2	W b S	0·2					
3 „	.739	.863	84.5	78.2	6.3	75.8	.76	83.3	81.3	W	0.2					
4 „	.737	.877	84.6	77.8	6.8	75.2	.74	83.1	81.4	W b N	0·1					
5 „	.749	.886	82.8	77.4	5.4	75.3	.79	81.7	81.6	W	0·1					
6 „	.764	.921	80.6	76.3	4.3	74.6	.83	80.0	81.4	WNW	0.1					
7 „	.775	.923	79.5	76.2	3.3	74.9	.86	79.4	81.0	W b N	0.4					
8 „	.801	.956	79.4	76.0	3.4	74.7	.86	79.2	81.0	„	0.2					
9 „	.808	.957	78.8	76.0	2.8	74.9	.88	79.0	80.9	„	0.1					
10 „	.811	.960	78.8	76.0	2.8	74.9	.88	79.1	80.7	W	0.2					
11 „	.791	.957	78.6	77.5	3.1	74.3	.87	79.0	80.6	„	0.2					
Sept 21st-Midnight	.783	.951	78.4	75.4	3.0	74.2	.87	78.7	80.6	W b N	0.3					
1 a. m.	.764	.965	78.3	74.5	3.8	73.0	.85	78.6	80.5	W	0.2					
2 „	.746	.939	77.9	74.6	3.3	73.2	.86	78.1	80.3	W b N	0.1					
3 „	.740	.953	77.6	74.0	3.6	72.5	.85	77.8	80.2	W b S	0.2					
4 „	.739	.934	77.4	74.4	3.0	73.2	.87	77.6	80.2	WSW	0.1					
5 „	.760	.930	77.2	75.0	2.2	74.1	.91	77.2	80.0	„	0.1					
6 „	.781	.958	77.2	74.8	2.4	73.8	.91	77.2	79.9	„	0.1					
7 „	.793	.900	78.2	76.9	1.3	7.64	.94	78.4	79.9	„	0.1					
8 „	.812	.943	80.7	77.0	3.7	75.5	.85	80.1	80.1	„	0.2					
9 „	.813	.969	81.6	76.6	5.0	74.6	.80	81.5	80.4	„	0.3					
10 „	.821	.949	84.8	78.2	6.6	75.6	.75	83.4	80.8	„	0.3					
11 „	.814	.939	84.6	78.2	6.4	75.8	.76	83.3	81.0	„	0.4					
Noon.	.793	.903	84.8	78.6	6.2	76.3	.76	83.7	81.2	„	0.2		None.	None.	None.	●
1 p. m.	.774	.859	85.1	79.3	5.8	77.2	.78	83.9	81.3	W b S	0.2					None.
2 „	.749	.909	84.1	77.2	6.9	74.5	.74	82.8	81.3	W b N	0.4					
3 „	.737	.859	78.9	76.7	2.2	75.9	.91	79.0	80.7	N	0.1	0·07				
4 „	.737	.882	80.6	76.6	4.0	75.0	.84	80.3	80.9	WNW	0.2		•			
5 „	.757	.909	80.1	76.3	3.8	74.8	.85	79.9	80.9	„	0.1					
6 „	.765	.958	79.3	75.0	4.3	73.2	.82	79.1	80.8	„	0.1					
7 „	.779	.965	79.0	75.1	3.9	73.5	.84	79.0	80.6	„	0.2					
8 „	.786	.973	78.7	75.0	3.7	73.5	.85	78.9	80.5	W b N	0.1					●
9 „	.792	.954	78.6	75.6	3.0	74.4	.88	78.8	80.5	„	0.1					
10 „	.796	.979	78.4	75.0	3.4	73.6	.86	78.6	80.4	„	0·2					
11 „	.790	.971	78.2	75.0	3.2	73.7	.87	78.5	80.3	„	0.2					
Sept 22nd-Midnight	.773	.941	78.0	75.3	2.7	74.2	.89	78.3	80.2	WNW	0.1					
1 a. m.	.771	.964	77.6	74.5	3.1	73.2	.87	77.9	80.2	W	0.1					
2 „	.768	.955	77.0	74.5	2.5	73.5	.89	77.4	80.0	W b S	0.0	0.02				
3 „	.761	.955	76.9	74.3	2.6	73.2	.89	77.3	79.8	W	0.1					
4 „	.764	.969	76.9	74.0	2.9	72.8	.88	77.3	79.8	W b S	0·1					
5 „	.781	.962	76.5	74.5	2.0	73.7	.91	77.0	79.6	W	0.1		None.	None.	None.	
6 „	.795	.994	76.4	74.0	2.4	73.0	.90	76.9	79.6	WSW	0.1					None.
7 „	.809	.961	78.1	75.7	2.4	74.8	.90	78.2	79.6	„	0·0					●
8 „	.832	29.008	79.9	75.6	4.3	73.9	.82	19.8	79.7	W b S	0.0					
9 „	.833	28.984	80.4	76.4	4.0	74.8	.84	80.0	80.0	WSW	0.0					
10 „	.831	.980	82.4	77.0	5.4	74.9	.79	81.4	80.3	„	0.2					
11 „	.826	.944	83 2	78.0	5.2	76.0	.80	82.4	80.5	W b S	0·2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≈ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ≈ nimbi.	
5	L	≈ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°8.
3	B	Masses of ≈ scattered about hor., moving E.	
3	B	≈ scattered about hor.; ∿ above SW hor.	
3	B	≈ scattered about hor.	
3	B	"	
3	R	"	
3	R	≈ scattered about hor., moving SE; ∿ in zth. and N; ≈ in NE above hor.	
4	R	≈ scattered about hor.; ∿ in W; ≈ in E, S, and W.	
3	R	Masses of light ≈ to N and S of zth.; a few ∿ in E and SE.	
2	L	Light ≈ and ∿ scattered about hor.	
3	L	≈ scattered about hor., except in NW, moving E.	
2	L	≈ around hor. from N to SW and about zth.; a few patches of ≈ in E.	
4	L	≈ scattered around hor.; ≈ in E and SE; ∿ along W hor.	
5	B	≈ scattered about hor., moving E; ≈ scattered about.	
5	B	≈ around hor.; ≈ scattered about; ∿ above N hor.	
6	B	≈ around hor.; ≈ scattered throughout.	
3	B	Patches of ≈ around hor.; ≈ above SW hor.; ∿ scattered about.	
3	R	≈ around hor.; ∿ scattered throughout.	
4	R	" "	
4	R	≈ around hor.; ≈ in S; ∿ scattered about zth.	
4	R	Masses of ≈, moving E.	
8	L	≈ and ∿ scattered throughout, former moving E.	
8	L	≈ and ∿ scattered throughout; a lunar-halo.	
8	L	≈ around hor.; ∿ scattered throughout; a lunar-halo.	
8	L	≈ about hor., moving E; ∿ scattered throughout; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°7. Daily fall of rain by Osler's Gauge 0.09in.
4	B	≈ scattered about, moving E.	
3	B	≈ scattered about hor., moving E; ∿ above S hor.	
4	B	≈ scattered about hor.	
3	B	"	
3	R	"	
8	R	Overcast with ≈ and ∿, moving E; a lunar-halo observed at 6h. 40m.	
7	R	Nearly overcast with ≈ and ∿, moving E; patches of ≈ in N and NE of zth.	
4	R	≈ around hor. and about zth., moving E; ≈ in N and W.	
3	L	≈ along E hor.; ≈ scattered in E hem. and about W of zth., moving NE.	
5	L	Masses of ≈ scattered about, moving ENE; ≈ in W.	
6	L	≈ and ≈ scattered throughout, both moving E.	
7	L	≈ around hor.; otherwise clouded with ≈, moving E; cloudless above S hor.	
7	B	Clouded as at noon; scattered drops of rain falling from 1h. 24m. to 1h. 29m.	
8	B	Overcast with ≈, moving E; raining from 2h. 13m. to 2h. 45m.	
8	B	Overcast with ≈, moving ENE.	
8	B	Overcast with ≈, moving E; patches of ≈ in S.	
8	R	Overcast with ≈ and ≈, former moving E while the latter moving NW.	
8	R	Masses of ≈ about hor.; ≈ scattered throughout, moving NW; ∿ above S hor.	
8	R	Masses of ≈ around hor. and in E; ≈ scattered throughout.	
8	L	≈ in E hem., moving E; ≈ scattered throughout; a few ∿ above S hor.	
6	L	≈ scattered about, moving E; ≈ in SE and S.	
3	L	≈ and ≈ scattered about hor., former moving E.	
6	L	≈ around hor., moving E; ≈ scattered throughout, moving W.	
5	L	≈ scattered about, moving E; ≈ in S, SW, and about zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°7. Daily fall of rain by Osler's Gauge 0.03in.
6	B	≈ and ≈ scattered throughout, former moving E; light rain from 1h. 34m. to 1h. 36m.	
6	B	≈ around hor.; otherwise clouded with ≈.	
5	B	≈ around hor., ≈ scattered about.	
6.	B	" "	
6	R	≈ around hor., ≈ scattered about zth.; a few ∿ in E hem.	
8	R	≈ around hor., moving E; ≈ scattered throughout, moving NW; ∿ above E, SE, & S hor.	
8	R	Overcast with ≈ and ≈, both moving E; a few ∿ above E and SE hor.	
8	R	Overcast, a few drops of rain at 8h. 14m.	
5	L	≈ scattered about, moving NE.	
6	L	≈ scattered throughout, moving NE; ≈ above E and SE.	
7	L	Densely clouded with ≈, moving NE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of		Interval of Time in recovering the same degree of tension after discharge.
														Straws of Volta 1.	Straws of Volta 2.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 22nd–Noon.	29.805	28.969	84°8	77°3	7°5	74°3	0.27	83°8	80°8	W b S	0.1					
1 p. m.	.782	.933	83.3	77.2	6.1	74.8	.76	82.3	80.8	WSW	0.1					
2 „	.765	.934	84.2	77.0	7.2	74.1	.73	82.9	80.9	W	0.1					
3 „	.751	.885	84.3	77.9	6.4	75.4	.76	83.2	81.0	W b N	0.2					
4 „	.747	.925	85.0	77.0	8.0	73.8	.70	83.0	81.3	„	0.1					
5 „	.755	.917	82.8	76.8	6.0	74.4	.77	81.5	81.5	„	0.2					
6 „	.767	.943	80.2	75.7	4.5	73.9	.82	80.0	81.1	„	0.1	None.	None.	None.	None.	None.
7 „	.778	.947	79.2	75.6	3.6	74.1	.85	79.3	80.9	„	0.1					
8 „	.794	.970	78.1	75.1	3.0	73.9	.87	78.3	80.6	„	0.1					
9 „	.805	.966	77.8	75.4	2.4	74.4	.90	78.3	80.5	„	0.0					
10 „	.811	.983	77.4	75.0	2.4	74.0	.90	78.0	80.5	„	0.0					
11 „	.810	.973	76.8	74.8	2.0	74.0	.91	77.7	80.3	„	0.0					
Sept 23rd–Midnight	.791	.972	76.8	74.6	2.2	73.7	.91	77.6	80.2	W b N	0.0					
1 a. m.	.780	.967	77.0	74.5	2.5	73.5	.89	77.3	80.2	„	0.0					
2 „	.776	.955	77.3	74.8	2.5	73.8	.89	77.6	80.0	SW	0.1					
3 „	.768	.947	77.3	74.8	2.5	73.8	.89	77.7	79.9	SW b S	0.0					
4 „	.768	.948	77.4	74.8	2.6	73.7	.89	77.8	79.9	„	0.1					
5 „	.778	.950	77.4	75.0	2.4	74.0	.90	77.7	79.8	„	0.1					
6 „	.790	.961	77.3	75.0	2.3	74.1	.90	77.8	79.8	SW	0.1					
7 „	.822	.964	78.2	76.0	2.2	75.1	.91	78.4	79.8	„	0.1					
8 „	.836	.983	79.4	76.2	3.2	75.0	.87	79.4	79.9	„	0.2					
9 „	.845	.996	81.8	76.8	5.0	74.8	.80	81.0	80.2	SW b W	0.2					
10 „	.843	.995	83.4	77.2	6.2	74.8	.76	82.3	80.6	WSW	0.2					
11 „	.842	.981	83.3	77.5	5.8	75.2	.78	82.6	80.7	„	0.1					
Noon.	.829	.927	84.4	78.8	5.6	76.7	.78	83.5	81.0	„	0.3					
1 p. m.	.811	.929	79.5	77.0	2.5	76.0	.90	79.1	80.7	„	0.1	0.02	None.	None.	None.	None.
2 „	.788	.926	81.2	76.9	4.3	75.3	.83	81.3	80.6	„	0.2					
3 „	.780	.933	82.7	77.0	5.7	74.7	.79	82.0	80.9	W b S	0.1					
4 „	.780	.940	82.3	76.7	5.6	74.5	.78	81.7	80.9	„	0.1					
5 „	.789	.929	81.5	77.0	4.5	75.2	.82	81.0	81.0	„	0.1					
6 „	.802	.990	79.6	75.2	4.4	73.4	.82	79.8	80.8	W	0.1					
7 „	.820	.986	79.0	75.6	3.4	74.3	.86	78.6	80.6	W b N	0.4					
8 „	.832	29.034	78.0	74.4	3.6	72.9	.85	78.2	80.5	W	0.2					
9 „	.843	.056	77.6	74.0	3.6	72.5	.85	78.2	80.4	„	0.1					
10 „	.846	.045	77.8	74.4	3.4	73.0	.86	78.4	80.3	W b S	0.0					
11 „	.840	.011	77.8	75.0	2.8	74.1	.88	78.4	80.2	SW	0.0					
Sept 24th–Midnight	.832	.011	78.0	75.0	3.0	73.8	.87	78.3	80.2	SW b W	0.2					
1 a. m.	.827	.018	78.4	74 8	3.6	73.3	.85	78.6	80.2	„	0.1					
2 „	.822	.003	78.2	75.0	3.2	73.7	.87	78.5	80.1	„	0.3					
3 „	.812	.011	77.8	74.4	3.4	73.0	.86	78.1	80.0	SW	0.2					
4 „	.808	.009	77.2	74.2	3.0	72.9	.87	78.0	79.9	„	0.2					
5 „	.822	.028	77.7	74.2	3.5	72.8	.85	78.0	79.7	„	0.2					
6 „	.830	.020	77.6	74.6	3.0	73.3	.87	78.0	79.7	„	0.2					
7 „	.850	.038	78.2	74.8	3.4	73.4	.86	78.3	79.8	„	0.1					
8 „	.872	.038	79.6	75.8	3.8	74.3	.84	79.5	79.9	„	0.2					
9 „	.874	28.991	81.6	77.6	4.0	76.0	.84	81.3	80.2	SW b S	0.3					
10 „	.884	29.025	83.8	77.6	6.2	75.2	.76	83.0	80.6	„	0.4	Less than one cent.	None.	None.	None.	None.
11 „	.869	28.927	85.4	80.0	5.4	78.1	.79	84.0	81.0	SW	0.3					
Noon.	.848	.932	85.4	79.4	6.0	77.2	.77	84.0	81.2	„	0.2					
1 p. m.	.823	.944	85.4	78.5	5.9	75.9	.74	83.9	81.4	SW b W	0.3					
2 „	.800	.917	84.0	78.2	5.8	76.0	.81	83.5	81.3	W b S	0.2					
3 „	.788	.941	83.8	77.3	6.5	74.7	.75	83.0	81.4	„	0.2					
4 „	.796	.948	81.6	77.0	5.6	74.8	.79	82.4	81.4	WSW	0.2					
5 „	.805	.943	81.8	77.0	4.8	75.1	.81	81.3	81.5	„	0.2					
6 „	.813	.976	80.1	76.0	4.1	74.4	.83	80.1	81.1	„	0.1					
7 „	.829	.987	79.6	76.0	3.6	74.6	.85	79.9	81.0	W b S	0.1					
8 „	.851	29.006	79.4	76.0	3.4	74.7	.86	79.6	81.0	„	0.1					
9 „	.866	.025	79.0	75.8	3.2	74.5	.87	79.3	80.9	„	0.1					
10 „	.860	.013	78.4	75.8	2.6	74.7	.89	79.0	80.8	SW	0.1					
11 „	.855	.023	78.4	75.4	3.0	74.2	.89	78.9	80.7	WSW	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩≤ cumuli; ∪≤ cirro-strati; ∩∪≤ cumulo-strati; and ≤≤ nimbi.	
7	L	Clouded with ≤≤, moving NE; ≤≤ in SE; ≤ scattered here and there about hor.	
6	B	≤≤ and ≤≤ scattered about, former moving ENE; a few ≤ above S hor.	
5	B	≤≤ above NE hor.; ≤ above SE and NE hor.; ≤≤ scattered about, moving E; drizzling rain from 2h. 18m. to 2h. 22m.	
5	B	Patches of ≤≤ in NE, E, and SW; ≤ in S and N; ≤≤ scattered about, moving E.	
5	B	Masses of ≤≤ around hor., moving E; ≤ above S and N hor., ≤≤ scattered about.	
6	N	∩≤ in E; ≤ along hor. from SE to W; ≤≤ in NE, E, and N; ≤≤ scattered about, moving E.	
4	N	∩≤ in E; ≤≤ along W hor.; ≤ about zth.; small masses of ≤≤, moving E.	
4	N	≤≤ and ≤ scattered about, former moving E.	
7	N	≤≤ and ≤ scattered throughout, former moving E.; a lunar-halo.	
6	L	≤ scattered throughout, except about zth.; ≤≤ in E and SE above hor., moving W; a lunar-halo.	
7	L	≤ and ≤≤ scattered throughout, latter moving W; a lunar-halo.	
8	L	≤≤ in SW and NE; ≤ scattered throughout; a lunar-halo.	
8	L	Overcast with ≤; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 81°7. Daily fall of rain by Osler's Gauge 0.02in.
8	B	≤≤ around hor.; ≤≤ in SW; ≤ scattered throughout; a lunar-halo.	
7	B	≤≤ around hor.; ≤≤ scattered throughout.	
8	B	Overcast with ≤≤, moving NE.	
8	B.	Overcast with ≤≤, moving ENE.	
8	N	Overcast with ≤≤ and ≤, former moving ENE.	
8	N	" "	
8	N	Overcast with ≤≤ in two strata, lower one moving NE.	
8	N	Overcast with ≤≤ and ≤≤, both moving NE.	
7	L	≤≤ and ≤≤ scattered throughout, former moving NE.	
7	L	≤≤ and ≤ about zth.; otherwise clouded with ≤≤, moving NE.	
7	B	Light ≤≤ scattered throughout, moving ENE.	
8	L	≤≤ scattered throughout, moving NE; a few ≤ in NW & SE of zth.; light rain commenced at 12h. 50m.	
8	B	Overcast; rain ceased at 1h. 6m.	
8	B	Overcast with ≤≤, moving ENE.	
8	B	Overcast with ≤≤ and ≤, latter was vissible about zth.	
6	B	≤≤ around hor., moving E; ≤≤ above S hor.; ≤ scattered throughout.	
8	N	∩≤ in SE hor.; otherwise clouded with ≤≤, ≤, and ≤≤.	
5	N	∩≤ in SE hor.; ≤ above SE, S, and SW hor.; ≤≤ and ≤≤ scattered about, both moving E.	
8	N	Overcast with ≤≤, moving ENE; a passing shower of rain at the time of observation.	
7	N	≤≤ and ≤ scattered throughout, former moving ENE.	
7	L	≤≤ in S hem., moving E; ≤ in remainder of the sky.	
8	L	≤≤ and ≤ scattered throughout, former moving NE.	
7	L	≤≤ about E and SE hor.; ≤≤ scattered about, moving E.	
8	L	Overcast with ≤≤, moving E; ≤≤ above E and S hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°7.
8	B	Overcast with ≤≤, moving E.	
8	B	Overcast with ≤≤, moving NE.	
8	B	Overcast with ≤≤, moving ENE.	
8	B	Overcast; a break in S.	
8	N	Overcast with ≤≤ and ≤≤, latter moving NNE.	
8	N	Overcast with ≤≤ and ≤≤, latter moving NE.	
8	N	" "	
8	N	Overcast with ≤≤ and ≤≤, former moving NE latter SW.	
8	L	Light ≤≤ around hor.; otherwise clouded with ≤≤, moving W.	
8	L	Light ≤≤ around hor., moving NNE; ≤≤ scattered throughout, moving W.	
7	L	∩≤ in E hor.; ≤≤ around hor.; ≤≤ scattered throughout, moving W.	
7	L	∩≤ along E hor.; ≤≤ around hor., moving NE; ≤≤ scattered throughout, moving W.	
7	B	≤≤ around hor. except in NW; ≤ along E hor.; ≤≤ scattered throughout, moving NE; light passing rain at 1h. 15m.	
7	B	∩≤ in ENE hor.; ≤ and ≤≤ around hor.; ≤≤ scattered throughout.	
7	B	∩≤ along E hor.; ≤ above S hor.; ≤≤ and ≤≤ scattered throughout, former moving NE.	
7	B	∩≤ and ≤ about E hor.; ≤≤ and ≤≤ scattered throughout, former moving NE.	
8	N	Overcast with ≤≤ and ≤≤, former moving E.	
8	N	" "	
8	N	" "	
6	N	≤≤ and ≤≤ scattered about, former moving E.	
5	L	≤≤ around hor.; ≤≤ scattered about, moving N.	
3	L	Masses of ≤≤ around hor.; ≤ from E to NW above hor.	
3	L	Masses of ≤≤ and ≤ about hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of force after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept 25th-Midnight	29.841	28.985	78°4	76°0	2°4	75°1	0.90	78°8	80°6	WSW	0.2					
1 a. m.	.833	29.005	78.1	75.2	2.9	74.0	.88	78.4	80.5	„	0·2					
2 „	.811	28.980	77.8	75.2	2.6	74.1	.89	78.1	80.4	„	0·1					
3 „	.801	.966	77.5	75.2	2.3	74.3	.90	78.0	80.3	W b S	0.1					
4 „	.799	.939	77.6	75.9	1.7	75.2	.93	78.1	80.2	WSW	0.1					
5 „	.798	.937	77.5	75.9	1.6	75.2	.93	77.9	80.2	„	0.1					
6 „	.816	.975	77.6	75.4	2.2	74.5	.91	77.9	80.1	„	0.2					
7 „	.834	.923	78.2	76.0	2.2	75.1	.91	78.4	80.0	„	0.1					
8 „	.847	.972	80.2	77.0	3.2	75.8	.87	80.1	80.5	„	0.1					
9 „	.848	.970	81.4	77.4	4.0	75.9	.84	81.0	80.5	„	0·1					
10 „	.841	.956	82.2	77.8	4.4	76.1	.83	81.6	80.8	SW b W	0.2					
11 „	.831	.910	84.2	79.2	5.0	77.4	.81	83.0	81.0	W b S	0.2					
Noon.	.808	.908	85.4	79.0	6.4	76.6	.76	83.9	81.3	„	0.1		None.	None.	None.	None.
1 p. m.	.780	.881	81.8	78.3	3.5	76.9	.86	81.0	81.3	WNW	0.3	0.03				
2 „	.761	.865	83.9	78.5	5.4	76.5	.79	83.2	81.4	„	0·2					
3 „	.749	.866	85.0	78.5	6.5	76.0	.75	83.7	81.5	W b N	0·2					
4 „	.738	.886	84.4	77.6	6.8	74.9	.74	83.3	81.6	„	0·2					
5 „	.743	.892	81.6	76.8	4.8	74.9	.81	81.3	81.7	W	0·1					
6 „	.761	.883	80.3	77.1	3.2	75.9	.87	80.1	81.5	„	0·1					
7 „	.777	.928	79.0	76.0	3.0	74.8	.88	78.5	81.3	„	0·1					
8 „	.790	.930	78.0	76.0	2.0	75.2	.92	78.4	81.0	NW b W	0·1					
9 „	.804	.968	77.4	75.2	2.2	74.3	.91	77.5	80.8	NNW	0·1					
10 „	.811	.954	76.5	75.5	1.0	75.1	.96	77.0	80.6	WSW	0·1	0.01				
11 „	.803	.921	77.8	76.5	1.3	76.0	.94	78.0	80.6	„	0·2					
Sept 27th-Midnight	.778	.914	79.0	76.4	2.6	75.4	.89	79.1	80.3	W b S	0.2					
1 a. m.	.766	.919	78.4	75.8	2.6	74.5	.89	78.6	80.3	WSW	0.1					
2 „	.760	.943	78.4	75.0	3.4	73.6	.86	78.5	80.3	W b S	0.3					
3 „	.748	.913	77.5	75.2	2.3	74.3	.90	77.9	80.2	„	0.2					
4 „	.758	.954	77.9	74.5	3.4	73.1	.86	78.0	80.1	W	0.1					
5 „	.766	.948	77.6	74.8	2.8	73.6	.88	77.8	80.0	W b S	0.2					
6 „	.780	.970	77.6	74.6	3.0	73.3	.87	77.7	79.9	WSW	0.3					
7 „	.800	.979	78.0	75.0	3.0	73.8	.87	78.1	79.9	„	0.2					
8 „	.824	.984	80.2	76.1	4.1	74.5	.83	80.0	80.0	W b S	0.2					
9 „	.832	.951	81.8	77.6	4.2	76.0	.83	81·3	80.3	WSW	0.2					
10 „	.834	.950	83.0	78.0	5.0	76.1	.80	81.9	80.6	„	0·4					
11 „	.831	.962	82.9	77.6	5.3	75.5	.79	81.9	80.7	„	0·2					
Noon.	.811	.897	84.8	79.2	5.6	77.1	.79	83.7	81.1	„	0.4					
1 p. m.	.789	.933	85.5	78.0	7.5	75.1	.72	83.9	81.3	„	0.3					
2 „	.772	.870	86.3	79.3	7.0	76.7	.74	84.9	81.5	„	0·2					
3 „	.756	.861	85.1	78.8	6.3	76.5	.76	84.1	81.6	„	0.1					
4 „	.769	.934	82.0	76.5	5.5	74.3	.79	80.9	81.6	SSW	0.3					
5 „	.772	.936	80.2	76.0	4.2	74.3	.83	79.6	81.4	„	0.3					
6 „	.777	.930	79.2	76.0	3.2	74.7	.87	79.4	81.1	SW b W	0·1					
7 „	.795	.958	79.1	75.7	3.4	74.4	.86	79.2	81.0	SW	0·1					
8 „	.807	.958	79.0	76.0	3.0	74.8	.88	79.0	80.9	„	0·1					
9 „	.818	.984	79.0	75.6	3.4	74.3	.86	79.2	80.8	„	0.1					
10 „	.824	.960	79.0	76.4	2.6	75.4	.89	79.2	80.8	„	0·3					
11 „	.816	.965	78.8	76.0	2.8	74.9	.88	79.0	80.7	„	0·2					
Sept 28th-Midnight	.806	.955	78.8	76.0	2.8	74.9	.88	79.0	80.6	SW	0.2					
1 a. m.	.796	.964	78.8	75.5	3.3	74.2	.86	79.0	80.5	SW b S	0.3					
2 „	.792	.960	78.8	75.5	3.3	74.2	.86	79.0	80.5	„	0.2					
3 „	.785	.950	78.5	75.5	3.0	74.3	.88	78.8	80.4	„	0.2					
4 „	.785	.932	78.6	76.0	2.6	75.0	.89	78.9	80.4	„	0.3					
5 „	.801	.948	78.6	76.0	2.6	75.0	.89	78.8	80.4	SW	0.2					
6 „	.815	.961	78.5	76.0	2.5	75.0	.90	78.6	80.4	SW b W	0.2					
7 „	.830	.973	79.0	76.2	2.8	75.1	.88	79.0	80.4	W	0.2					
8 „	.860	.945	80.2	78.0	2.2	77.2	.91	80.4	80.4	„	0·1					
9 „	.881	.982	81.6	78.0	3.6	76.6	.86	81.3	80.7	WSW	0·2					
10 „	.885	29.042	78.8	75.8	3.0	74.6	.88	79.0	80.6	W b S	0.1					
11 „	.881	28.976	82.6	78.4	4.2	76.8	.83	81.9	80.8	„	0.2					

Less than one cent. | None. | None. | None. | None.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∩≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
4	L	≀≀ and ≀ scattered about hor., former moving ENE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°7. Daily fall of rain by Osler's Gauge 0.04in.
4	B	≀ around hor.; ≀≀ scattered about, moving NE.	
4	B	≀≀ scattered about, moving NE.	
5	B	" "	
6	B	" "	
7	C	" "	
7	C	Nearly overcast with ≀≀, moving NE.	
7	C	≀≀ and ≀≀ scattered throughout, former moving ENE; fog along E hor.	
7	C	≀≀, ≀≀, and ≀ scattered about, moving ENE; fog along E hor.	
6	L	≀≀ about hor., moving ENE; ≀≀ scattered throughout.	
7	L	≀≀ scattered throughout, moving ENE; a few ≀ in SW and W.	
4	L	≀≀ and ≀≀ scattered about hor., former moving E; a few ≀ in W.	
4	L	≀≀ scattered about hor., moving E; patches of ≀≀ in E and SE; light rain at 12h. 38m. which ceased at 12h. 50m.	
7	B	Nearly overcast with ≀≀, moving E.	
6	B	≀≀ scattered throughout, moving E; ≀ about 2th.	
4	B	≀≀ scattered about, moving E; ≀ above E and S hor.; patches of ≀≀ above NE hor.	
4	B	≀≀ scattered about, moving E; ≀ above SE and W hor.	
7	C	Nearly overcast with ≀≀; ≀ above SE, S, and SW hor.; a rainbow in NE; drizzling rain at 5h. 2m. which lasted 5m.	
7	C	Nearly overcast with ≀≀, moving E.	
8	C	Overcast; light rain between 7h. to 7h. 9m.	
7	C	Nearly overcast with ≀≀ and ≀, former moving E.	
8	C	Overcast with ≀≀, moving E; a shower of rain at 9h. 26m. which lasted 4m.	
8	C	Overcast; no rain.	
8	C	" "	
8	L	Overcast with ≀≀, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 83°6.
5	B	Masses of ≀≀, moving E; ≀ above E hor.	
8	B	Overcast with ≀≀; a shower of rain at 2h. 20m. which lasted 2m.	
5	B	≀≀ scattered about, moving E; ≀≀ above E hor.; ≀ above W hor.	
6	B	≀≀ scattered throughout, moving E.	
6	C	≀≀ scattered throughout; a lunar-halo.	
6	C	≀≀ scattered throughout, moving ENE; light ≀ along E hor.	
5	C	≀≀ around hor.; ≀ scattered about.	
7	C	≀≀ scattered throughout, moving E.	
7	L	≀≀ and ≀ scattered throughout, former moving E.	
7	L	≀≀ about hor.; ≀ scattered throughout.	
6	L	≀≀, ≀≀, and ≀ scattered throughout.	
6	L	≀≀ around hor.; ≀≀ in E and SE; ≀ scattered about.	
5	B	≀≀ around hor., moving ENE; ≀≀ above W hor.; ≀ scattered about.	
6	B	≀≀ and ≀ scattered throughout, former moving ENE; ≀≀ above W hor.	
5	B	≀≀ and ≀ scattered about, former moving ENE.	
6	B	≀≀ around hor., moving ENE; ≀≀ above S hor.; ≀ scattered throughout.	
8	C	Overcast with ≀≀, moving ENE; a shower of rain at 5h. which lasted 2m.	
7	C	≀≀, ≀≀, and ≀ scattered about.	
8	C	Overcast; a few stars dimly visible in SE.	
8	C	Overcast; a few stars dimly visible.	
7	L	Light ≀≀ and ≀ scattered throughout, former moving E.	
8	L	≀≀ about hor.; otherwise clouded with ≀.	
8	L	" "	
8	L	Overcast; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°3 and 83°5. Daily fall of rain by Osler's Gauge 0.12in.
8	B	Overcast with ≀≀, moving ENE.	
7	B	≀≀ scattered throughout; a lunar-halo.	
7	B	≀≀ scattered throughout, moving ENE.	
8	B	Overcast with ≀≀, moving ENE.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	C	"	
8	L	Overcast with ≀≀, moving ENE; a few drops of rain at 9h. 44m.	
8	L	Overcast with ≀≀, moving E.	
8	L	Overcast with ≀≀ and ≀, former moving E; a few patches of ≀≀ about 2th.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 28th–Noon.	29.864	28.951	84·2	79·0	5·2	77·1	0.80	83·2	81·2	SSW	0.2					
1 p. m.	.840	.909	84.0	79.4	4.6	77.7	.82	83.2	81.3	SWbW	0.3					
2 „	.825	.945	83.4	78.0	5.4	75.9	.79	83.0	81.4	„	0.3					
3 „	.807	.877	83.4	79.2	4.2	77.7	.84	83.0	81.5	„	0.2					
4 „	.806	.893	82.4	78.5	3.9	77.1	.85	82.4	81.5	SSW	0.2					
5 „	.814	.923	80.6	77.5	3.1	76.3	.87	80.6	81.4	SW b S	0.1		None.	None.	None.	None.
6 „	.830	.953	80.0	77.0	3.0	75·8	.88	80.0	81.2	W b S	0.1					
7 „	.844	.977	79.5	76.6	2.9	75.5	.88	79.5	81.0	„	0.1					
8 „	.865	.910	79.2	76.2	3.0	75.0	.88	79.2	81.0	SW	0.1					
9 „	.862	.996	78.2	76.2	2.0	75.4	.92	78.7	80.8	„	0·0					
10 „	.857	.982	77.4	76.2	1.2	75.8	.95	78.1	80.7	WSW	0.1	0.13				
11 „	.857	.962	77.6	76.8	0.8	76.5	.97	78.3	80.6	„	0.1					
Sept29th-Midnight	.850	.986	77.6	76.0	1.6	75.4	.93	78.2	80.6	WSW	0.0					
1 a. m.	.848	.973	77.4	76.2	1.2	75.8	.95	78.0	80.4	„	0.0					
2 „	.838	.970	77.3	76.0	1.3	75.5	.94	77.9	80.3	„	0.1					
3 „	.835	.967	77.3	76.0	1.3	75.5	.94	77.9	80.3	SW	0·1					
4 „	.836	·983	77.2	75.6	1.6	75.0	.94	77.8	80.2	W b S	0.0					
5 „	.860	29.010	76.8	75.4	1.4	74.8	.94	77.4	80.0	„	0.0					
6 „	.880	.023	76.8	75.6	1.2	75.1	.95	77.4	80.0	„	0.0					
7 „	.894	28.958	78.3	78.0	0.3	77.9	.98	78.5	80.0	NE b E	0.1					
8 „	.919	.939	80.4	79.6	0.8	79.3	.96	80.4	80.3	ENE	0.3					
9 „	.933	.930	83.0	80.8	2.2	80.0	.91	82.2	80.7	„	0.2					
10 „	.928	.950	82.8	80.2	2.6	79.3	.90	82·3	80.9	SE b E	0·3					
11 „	.915	.954	84.4	80.2	4.2	78.7	.84	83.4	81.2	SSE	0·1		None.	None.	None.	None.
Noon.	.889	.955	84.6	79.6	5.0	77.8	.81	83.4	81.4	SW	0·2					
1 p. m.	.870	.964	84.8	79.0	5.8	76.8	.78	83.3	81.5	SW b W	0·1					
2 „	.852	.925	85.8	80.0	5.8	77.9	.78	84.0	81.6	„	0·1					
3 „	.841	.977	85.9	78.3	7.6	75.4	.71	84.0	81.8	WSW	0.1					
4 „	.843	.937	85.9	79.3	6.6	76.8	.75	84.0	82.0	„	0.1					
5 „	.857	.980	84.4	78.2	6.2	75.8	.76	82.6	82.2	W	0.1					
6 „	.873	.988	81.4	77.6	3.8	76.1	.85	81.0	81.8	„	0.2					
7 „	.893	29.023	80.6	77.0	3.6	75.6	.85	80.4	81.5	„	0.1					
8 „	.913	.036	80.0	77.0	3.0	75.8	.88	80.0	81.5	WNW	0.0					
9 „	.928	.055	79.6	76.8	2.8	75.7	.88	79.8	81.4	„	0.0					
10 „	.928	.040	79.0	77.0	2.0	76.2	.92	79.2	81.3	„	0.0					
11 „	.923	.042	78.2	76.6	1.6	76.0	.93	78.8	81.1	„	0.0					
Sept30th-Midnight	.713	.020	77.8	76.8	1.0	76.4	.96	78.6	81.0	WNW	0.0					
1 a. m.	.906	.030	77.6	76.3	1.3	75.8	.94	78.3	80.8	„	0.0					
2 „	.891	.021	77.8	76.2	1.6	75.6	.93	78.3	80.7	„	0.1					
3 „	.886	.044	77.5	75.4	2.1	74.6	.91	78.0	80.6	„	0.0					
4 „	.882	.052	77.2	75.0	2.2	74.1	.91	77.9	80.4	„	0.1					
5 „	.896	.050	76.5	75.2	1.3	74.7	.94	76.9	80.2	NW b W	0·0					
6 „	.909	.052	76.5	75.5	1.0	75.1	.96	76.9	80.2	„	0·0					
7 „	.916	.018	78.5	77.1	1.4	76.6	.94	78.7	80.2	„	0.0					
8 „	.931	28.924	81.0	80.4	0.6	80.2	.97	80.6	80.5	NNE	0.1					
9 „	.936	29.006	83.4	79.2	4.2	77.7	.84	81.9	80.9	NE b N	0.2					
10 „	.926	28.996	82.6	79.0	3.6	77.7	.86	81.9	80.9	NE	0.1					
11 „	.901	.989	82.8	78.6	4.2	77.1	.83	82.1	81.1	W b N	0.2					
Noon.	.873	.977	85.0	78.8	6.2	76.5	.76	83.4	81.4	NW b W	0.3		None.	None.	None.	None.
1 p. m.	.842	.970	85.6	78.4	7.2	75.6	.73	84.0	81.5	NW	0.3					
2 „	.821	.970	86.0	78.0	8.0	74.9	.70	84.4	81.7	„	0·2					
3 „	.813	.962	86.0	78.0	8.0	74.9	.70	84.2	81.8	„	0·3					
4 „	.810	.965	85.4	77.7	7.7	74.7	.71	83.5	82.0	„	0·4					
5 „	.810	.977	84.4	77.1	7.3	74.2	.72	81.9	82.0	„	0·3					
6 „	.824	.964	81.5	77.0	4.5	75.2	.82	81.0	81.7	„	0.3					
7 „	.853	.989	80.8	76.9	3.9	75.4	.84	80.5	81.5	NW b N	0·3					
8 „	.867	29.023	80.2	76.2	4.0	74.6	.84	80.0	81.5	NNW	0.2					
9 „	.875	.006	80.0	76.8	3.2	75.5	.87	80.0	81.4	NW	0.1					
10 „	.873	.020	79.7	76.3	3.4	75.0	.86	79.7	81.3	NNW	0.1					
11 „	.870	.002	79.4	76.6	2.8	75.5	.88	79.5	81.2	NW b N	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌒⌇ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌇ nimbi.	
8	L	Overcast with ⌇⌇ and ⌇, former moving NE; a few patches of ⌇⌇ in SW.	
8	B	Overcast with ⌇⌇, moving ENE; a few patches of ⌇⌇ in W.	
8	B	Overcast with ⌇⌇, moving ENE.	
8	B	" "	
8	B	Overcast; breaks in E and S.	
8	C	Overcast.	
8	C	"	
8	C	Overcast; a few stars dimly visible.	
5	C	⌇⌇ scattered about, moving E.	
5	L	⌇⌇ scattered about; rain commenced at 9h. 17m. and ceased at 9h. 46m.	
2	L	Masses of ⌇⌇ scattered about hor., moving E.	
3	L	" "	
3	L	⌇⌇ scattered in SW, NW, and about zth., moving E; patches of ⌇⌇ in E & SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°3 and 83°5.
5	B	⌇⌇ scattered in S, E, and around zth.; patches of ⌇⌇ in SE above hor.	
6	B	⌇⌇ scattered throughout, moving E.	
5	B	⌇⌇ scattered about, moving ENE; a few patches of ⌇⌇ in E.	
7	B	⌇⌇ around hor.; otherwise clouded with ⌇⌇.	
7	C	⌇⌇ and ⌇⌇ scattered throughout, former moving NE.	
7	C	" "	
7	C	" "	
7	C	" "	
6	L	⌇⌇ scattered throughout, moving NE; ⌇⌇ in S above hor.	
3	L	Masses of ⌇⌇, moving NE.	
1	L	⌇⌇ around hor. and in NE, moving ENE; a few ⌇ in NE and E.	
2	L	⌇⌇ around hor., E, and W, moving ENE.	
1	B	⌇⌇ around hor., moving ENE.	
1	B	" "	
1	B	⌇⌇ around hor.; ⌇⌇ in SW above hor.; ⌇ above NE hor.	
1	B	⌇⌇ around hor., except in N; ⌇ in NE above hor.	
1	C	⌇⌇ around hor.; ⌇ in NE and N hor. [attached, length about 3 feet long with about ½ feet in breadth.	
1	C	⌇⌇ scattered around hor., moving E; ⌇ in N above hor.; a comet observed in W about 10° above hor. with a long tail	
1	C	⌇⌇ around hor.; the comet visible in hor. at the time of observation.	
1	C	⌇⌇ around hor.; otherwise clear.	
1	L	" "	
1	L	" "	
1	L	" "	
3	L	⌇⌇ scattered about, moving E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°3 and 83°5. The height of Barometer at 9 A. M. was greatest in the month, and about 0.084in. greater than the Normal Mean.
3	B	" "	
3	B	⌇⌇ scattered about, moving E; dew falling.	
2	B	Pieces of ⌇⌇ around hor.; ⌇ scattered in E and S; dew falling.	
2	B	Masses of ⌇⌇ scattered about, moving SE; a few ⌇ in S; dew falling.	
1	C	⌇⌇ around hor.; light ⌇ in E hem. above hor.; dew falling.	
4	C	Pieces of ⌇⌇ and light ⌇ scattered throughout, former moving E; haze in hor.	
2	C	" " " "	
3	C	" " " "	
4	L	⌇⌇ scattered about, moving SW.	
3	L	" "	
2	L	⌇⌇ scattered around hor. and in E, moving SW.	
2	L	⌇⌇ scattered about hor.	
1	B	⌒ in N hor.; ⌇⌇ from E to W hor.; ⌇ from NE to SE hor.	
1	B	⌒ and ⌇ along E hor.; ⌇⌇ in SE, W, und NW above hor.	
1	B	⌒ along E hor.; ⌇⌇ in SE and W hem. above hor.; a few ⌇ in SE and N hor.	
1	B	⌒ in S hor.; a few ⌇⌇ in NE, SE, and W hor., a few ⌇ from EW to SW hor.	
2	C	⌇⌇ and ⌇ scattered about hor., former moving E.	
2	C	⌇⌇ in W above hor.; light ⌇ scattered here and there; comet observed at 6h. 20m.	
0	C	A few pieces of ⌇⌇ around hor.; the comet disappeared at 7h. 20m.	
0	C	Clear, except in hor.	
1	L	Masses of ⌇⌇ scattered around hor.	
1	L	Masses of ⌇⌇ scattered around hor., E, and SW, moving ESE.	
2	L	⌇⌇ scattered in SE and around hor., moving ESE.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −.	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 1st-Midnight	29.852	28.986	79°2	76°5	2°7	75°4	0.89	79°2	81°1	NW	0.1					
1 a. m.	.837	.983	78.5	76.0	2.5	75.0	.90	79.0	80.9	„	0·1					
2 „	.827	.970	78.3	76.0	2.3	75.1	.90	78.8	80.8	„	0.0					
3 „	.827	.963	77.6	76.0	1.6	75.4	.93	78.0	80.6	N	0.0					
4 „	.828	.957	77.0	76.0	1.0	75.6	.96	77.4	80.5	„	0·1					
5 „	.838	.963	77.4	76.2	1.2	75.8	.95	77.5	80.4	„	0·0					
6 „	.858	.973	77.5	76.5	1.0	76.1	.96	77.9	80.4	NE	0.3					
7 „	.877	.983	79.4	77.3	2.1	76.4	.91	79.4	80.5	„	0·2					
8 „	.893	.987	81.0	78.0	3.0	76.8	.88	80.4	80.6	„	0.1					
9 „	.898	29.006	82.3	78.0	4.3	76.4	.83	82.5	80.8	„	0.1					
10 „	.902	28.983	83.6	79.0	4.6	77.3	.82	82.6	81.1	„	0·2					
11 „	.880	29.004	83°0	77.8	5.2	75.8	.80	82.0	81.3	„	0·0					
Noon.	.840	28.955	85.2	78.6	6.6	76.1	.75	83.6	81.5	WSW	0.1	None.	None.	None.	None.	None.
1 p. m.	.813	.950	86.0	78.3	7.7	75.3	.71	84.0	81.7	NW b W	0·3					
2 „	.786	.883	86.6	79.4	7.2	76.7	.73	84.9	81.9	„	0·3					
3 „	.772	.904	86.4	78.5	7.9	76.5	.71	84.5	82.0	WNW	0.3					
4 „	.767	.913	85.7	78.0	7.7	75.0	.71	83.8	82.2	NW b W	0·4					
5 „	.763	.900	83.4	77.6	5.8	75.3	.77	81.8	82.0	„	0.3					
6 „	.789	.907	81.4	77.5	3.9	76.0	.84	81.0	81.7	„	0.2					
7 „	.813	.980	80.8	76.1	4.7	74.2	.81	80.4	81.6	NW	0.2					
8 „	.829	.987	80.4	76.2	4.2	74.6	.83	80.2	81.5	„	0.2					
9 „	.821	.966	80.2	76.6	3.7	75.0	.85	80.2	81.5	„	0.1					
10 „	.824	.973	79.8	76.3	3.5	74.9	.86	79.9	81.4	NW b N	0.2					
11 „	.822	.963	78·8	76.2	2.6	75.2	.89	78.5	81.2	„	0.1					
Oct. 2nd-Midnight	.814	.952	77.8	76.0	1.8	75.3	.92	77.8	81.0	NW b N	0.1					
1 a. m.	.811	.952	77.3	75.8	1.5	75.2	.93	77.3	80.7	„	0.0					
2 „	.800	.944	77.0	75.6	1.4	75.1	.94	77.3	80.5	NW	0.0					
3 „	.778	.929	77.2	76.0	1.2	75.5	.95	77.5	80.4	„	0.0					
4 „	.802	.931	77.0	76.0	1.0	75.6	.96	77.3	80.4	„	0.1					
5 „	.813	.948	76.8	75.8	1.0	75.4	.96	77.0	80.3	„	0.0					
6 „	.835	.982	76.5	75.4	1.1	75.0	.95	76.5	80·2	„	0.0					
7 „	.855	.966	78.2	76.8	1.4	76.3	.94	78.4	80.2	„	0.1					
8 „	.880	.967	80.4	78.0	2.4	77.1	.90	80.4	80.3	NNE	0.1					
9 „	.881	.989	82.3	78.0	4.3	76.4	.83	81.9	80.5	NE	0.3					
10 „	.875	.966	83.8	78.8	5.0	76.9	.81	82.9	80.9	„	0.1					
11 „	.849	.936	85.3	79.3	6.0	77.1	.77	83.9	81.2	NW	0·3					
Noon.	.819	.951	85.6	78.3	7.3	75.5	.73	84.3	81.5	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.785	.911	86.2	78.6	7.6	75.7	.72	84.9	81.7	„	0.4					
2 „	.765	.867	87.0	79.4	7.6	76.6	.72	85.4	82.0	„	0.5					
3 „	.749	.859	87.0	79.2	7.8	76.3	.71	85.3	82.2	„	0.4					
4 „	.757	.825	87.0	80.2	6.8	77.6	.75	85.2	82.3	NNW	0.4					
5 „	.773	.855	84.5	79.2	5.3	77.3	.80	83.1	82.3	„	0.4					
6 „	.786	.849	82.7	79.2	3.5	77.9	.86	82.0	82.1	„	0.4					
7 „	.794	.851	82.2	79.2	3.0	78.1	.88	81.9	82.0	„	0.4					
8 „	.812	.864	81.7	79.2	2.5	78·3	.90	81.5	82.0	„	0.3					
9 „	.831	.879	81.4	79.2	2.2	78.4	.91	81.1	81.9	„	0.2					
10 „	.826	.880	80.4	78.8	1.6	78.2	.93	80.5	81.7	N b W	0.2					
11 „	.818	.901	80.0	78.0	2.0	77.2	.92	80.0	81.2	„	0·1					
Oct. 4th-Midnight	.846	.815	82.0	81.2	0.8	80.9	.97	81.8	82.2	NW	0·0					
1 a. m.	.828	.799	81.4	81.0	0.4	80.9	.98	81.6	82.2	„	0.0					
2 „	.815	.810	80.8	80.3	0.5	80.1	.98	81.1	82.1	„	0.0					
3 „	.813	.782	81.2	81.0	0.2	80.9	.99	81.3	82.1	„	0.2					
4 „	.809	.816	80.7	80.0	0.7	79.7	.97	80.9	82.0	NNW	0·2					
5 „	.826	.811	80.6	80.5	0.1	80.4	1.00	81.0	82.1	„	0.1	None.	None.	None.	None.	None.
6 „	.849	.894	79.6	78.8	0.8	78.5	0.97	79.5	82.0	N b W	0.2					
7 „	.869	.889	80.8	79.7	1.1	79.3	.95	80.7	81.9	N	0.1					
8 „	.882	.871	83.0	81.0	2.0	80.3	.92	82.6	82.1	NNW	0·2					
9 „	.891	.917	84.8	80.6	4.2	79.1	.84	84.0	82.3	„	0.1					
10 „	.879	.868	86.2	81.8	4.4	80.3	.83	85.2	82.5	„	0.1					
11 „	.863	.822	86.7	82.6	4.1	81.2	.84	85.6	82.8	NW b N	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri ; ≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati ; ⌒ cumulo-strati ; and ≀ nimbi.	
1	L	≀ scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°3 and 83°5.
3	B	≀ scattered about hor., moving SE.	
3	B	" "	
4	B	≀ scattered about, moving SSE; dew falling.	
5	B	" " "	
4	C	≀ and ⌇ scattered throughout, former moving ESE; a lunar-halo.	
6	C	" " "	
5	C	Masses of ≀ scattered about, moving SE.	
1	C	≀ scattered about hor., moving S.	
3	B	" "	
2	L	Masses of ≀ scattered about, moving S.	
2	L	≀ scattered about hor., SE, and E, moving S; patches of ≀ in S.	
1	L	Clouded as before, but the motion of ≀ was SE.	
1	B	≀ in NE hem. and around hor.; pieces of ≀ in S.	
1	B	Masses of ≀ from N to SE hor.; ⌇ along W hor.; a few pieces of ≀ in S.	
1	B	≀ along E hor.; otherwise clear.	
1	B	⌒ and ≀ along E hor.; ⌇ in S and W above hor.	
1	C	⌒ along E hor.; ≀ from E to NW hor.	
0	C	⌒ in hor.; a few ⌇ here and there observed; comet visible at 6h. 18m.	
0	C	Clear, except in hor.; continuous lightning in E; comet disappeared at 7h. 19m.	
0	C	Clear, except in hor.; lightning in E every 3m.	
0	L	Clear, except in hor.; lightning in ESE.	
0	L	A few clouds in E; lightning in E every 2½m.	
1	L	Masses of ≀ around hor., moving E; lightning in E every 1¼m.	
1	L	Masses of ≀ around hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°5.
1	B	" "	
1	B	" "	
1	B	" "	
1	B	" "	
0	C	A few masses of ≀ around hor.; dew falling.	
1	C	⌇ along E hor.; ≀ in remainder of hor.; dew falling.	
0	C	Light mist in hor.	
0	C	"	
1	B	A few ≀ around hor.; a few ⌇ in S.	
1	B	Masses of ≀ in E hem. and in W, moving S.	
1	B	" "	
1	B	≀ around hor., except in S; ⌒ in E hor.	
0	L	⌒ along E hor.; ≀ in W.	
0	L	" "	
0	L	⌒ and ≀ along E hor.; a few ⌇ in SE.	
0	L	" "	
0	B	⌒ along E hor.; ⌇ from SE to SW; a few masses of ≀ here & there about hor.	
0	B	⌒ and ⌇ along E hor.; lightning in SE every 2m.; comet observed at 6h. 11m.	
0	B	A few masses of ≀ in hor., lightning in SE every ½m., comet disappeared at 7h. 20m.	
1	B	Masses of ≀ around hor.; lightning in SE at intervals of about 15s.	
2	B	Masses of ≀ around hor.; a few light drops of rain at 9h. 57m.	
2	B	≀ around hor.; no rain.	
1	B	" "	
6	C	≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°5 and 83°5. At noon the Reading of Wet Bulb Thermometer was greatest during the month, and about 4°2 greater than the Normal Mean.
4	B	"	
2	B	Masses of ≀ scattered about; dew falling.	
1	B	Pieces of ≀ around hor.; dew falling.	
1	B	" "	
4	L	≀ about hor. and in E, moving SE; ⌇ scattered about.	
2	L	≀ around hor. and in E hem.; ≀ here and there observed; haze in hor.	
1	L	A few pieces of ≀ in hor.; a few patches of ≀ scattered about; haze in hor.	
1	L	Pieces of ≀ around hor. and in E, moving S; ≀ above E and SE hor.	
0	C	A few ≀ and ⌇ in E above hor., former moving SSE.	
1	C	Masses of ≀ along E hor., moving gently SSE.	
0	C	⌒ and ≀ along E hor., former moving SSE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m s.
Oct. 4th—Noon.	29.831	28.768	87°2	83°2	4°0	81°9	0.85	86°1	83°0	NW b N	0.3					
1 p.m.	.812	.766	87.9	83.0	4.9	81.4	.82	86.5	83.2	NNW	0.3					
2 „	.781	.736	88.0	83.0	5.0	81.4	.81	86.6	83.4	„	0·4					
3 „	.773	.738	88.1	82.8	5.3	81.0	.80	86.6	83.4	„	0.5					
4 „	.776	.738	87.8	82.8	5.0	81.1	.81	86.6	83.6	N b W	0.4					
5 „	.797	.834	88.2	81.2	7.0	78.8	.75	85.6	83.6	„	0.3	None.	Neg.	Out of Sc.	60	Instantly.
6 „	.823	.814	84.0	81.2	2.8	80.2	.89	83.6	83.5	N	0.1		Neg.	4		3.40
7 „	.840	.905	82.2	79.0	3.2	77.8	.87	82.3	83.3	WNW	0.0					
8 „	.863	.886	82.2	80.0	2.2	79.2	.91	82.2	83.2	„	0.0					
9 „	.862	.902	81.0	79.3	1.7	78.7	.93	81.3	83.9	NW b W	0.0		Neg.	2		Above 10m.
10 „	.859	.842	81.2	80.7	0.5	80.5	.94	81.3	82.7	NW	0.0					
11 „	.860	.852	81.6	80.6	1.0	80.2	.96	81.5	82.7	„	0.1					
Oct. 5th—Midnight	.847	.853	81.4	80.2	1.2	79.8	.95	81.3	82.7	NNW	0.1					
1 a.m.	.828	.818	81.4	80.6	0.8	80.3	.96	81.6	82.6	N b W	0.3					
2 „	.821	.813	81.3	80.5	0.8	80.2	.96	81.3	82.5	„	0.2					
3 „	.818	.813	81.2	80.4	0.8	80.1	.97	81.2	72.5	N	0.2					
4 „	.824	.831	80.7	80.0	0.7	79.7	.97	80.9	72.4	„	0.1					
5 „	.841	.863	79.8	79.4	0.4	79.3	.98	80.0	82.3	„	0.0					
6 „	.858	.873	80.0	79.6	0.4	79.5	.98	80.3	82.2	NNE	0.1					
7 „	.881	.903	80.6	79.6	1.0	79.3	.96	80.9	82.2	NE b N	0.1					
8 „	.891	.897	83.0	80.5	2.4	79.8	.90	82.6	82.4	„	0.1					
9 „	.889	.917	83.4	80.2	3.2	79.1	.87	82.8	82.5	„	0.1					
10 „	.883	.888	84.8	81.1	3.7	79.8	.85	83.4	82.7	NNE	0.0	None.				
11 „	.864	.843	86.1	82.0	4.1	80.6	.84	85.0	82.9	N	0.0					
Noon.	.831	.791	87.2	82.7	4.5	81.2	.83	86.1	83.2	NNW	0.3					
1 p.m.	.808	.804	87.6	82.0	5.6	80.1	.79	85.9	83.3	NW b W	0.3					
2 „	.771	.767	87.6	82.0	5.6	80.1	.79	86.5	83.5	NW	0.6					
3 „	.751	.751	88.0	82.0	6.0	80.0	.78	86.5	83.6	„	0·4					
4 „	.784	.779	87.5	82.0	5.5	80.1	.80	87.4	83.8	NW b N	0.2		Neg.	Out of Sc.	30	0.57
5 „	.814	.955	81.6	77.0	4.6	75.2	.82	81.6	83.4	E b S	0.3					
6 „	.832	.966	80.0	76.7	3.3	75.4	.86	80.6	83.0	ESE	0.1					
7 „	.839	.953	79.2	77.0	2.2	76.1	.91	79.8	82.8	„	0.1					
8 „	.837	.960	78.6	76.6	2.0	75.8	.92	78.9	82.5	„	0.1					
9 „	.854	.965	78.2	76.8	1.4	76.3	.94	78.7	82.3	„	0.1					
10 „	.856	.955	77.8	77.0	0.8	76.7	.96	78.5	82.0	„	0.1					
11 „	.844	.945	78.0	77.0	1.0	76.6	.96	78.6	81.8	„	0.1					
Oct. 6th—Midnight	.829	.947	77.8	76.5	1.3	76.0	.94	78.4	81.6	ESE	0.0					
1 a.m.	.805	.903	77.7	77.0	0.7	76.7	.97	78.3	81.6	„	0.0					
2 „	.792	.895	77.8	76.9	0.9	76.5	.96	78.4	81.6	„	0.0					
3 „	.781	.871	78.0	77.0	1.0	76.6	.96	78.6	81.3	„	0.0					
4 „	.787	.894	77.8	76.8	1.0	76.4	.96	78.1	81.3	„	0·0		+	5		7.03
5 „	.787	.899	77.6	76.6	1.0	76.2	.96	78.0	81.1	„	0·0		+	7		0.30
6 „	.801	.917	77.2	76.4	0.8	76.1	.97	77.6	81.0	„	0.0		+	3		0.20
7 „	.827	.916	79.4	77.7	1.7	77.0	.93	79.4	81.1	„	0.0		+	5		0.25
8 „	.855	.953	81.4	78.0	3.4	76.7	.86	81.0	81.3	„	0.2					
9 „	.862	.936	83.2	79.0	4.2	77.5	.84	82.3	81.6	„	0·0					
10 „	.866	.913	84.4	80.0	4.4	78.4	.83	83.0	81.7	„	0.1					
11 „	.845	.860	85.4	81.0	4.4	79.5	.83	84.0	82.0	„	0.0					
Noon.	.811	.800	87.0	82.0	5.0	80.3	.81	85.4	82.3	NW b N	0.2	None.			None.	
1 p.m.	.783	.748	87.7	82.7	5.0	81.0	.81	86.2	82.6	„	0.3					
2 „	.759	.715	88.1	83.0	5.1	81.3	.81	86.3	82.9	„	0.3					
3 „	.725	.681	88.1	83.0	5.1	81.3	.81	86.6	83.2	NNW	0.4					
4 „	.747	.716	87.2	82.5	4.7	80.9	.82	85.9	83.4	„	0.3					
5 „	.747	.753	85.4	81.5	4.2	79.8	.84	84.8	83.3	„	0.3					
6 „	.758	.866	83.8	78.4	5.4	76.4	.79	83.5	83.2	„	0.1					
7 „	.783	.943	82.0	76.6	5.4	74.5	.79	82.0	82.9	N	0.1					
8 „	.810	.869	81.6	79.0	2.6	78.0	.89	81.6	82.7	„	0.1					
9 „	.819	.898	81.1	78.4	2.7	77.4	.89	80.9	82.5	ENE	0.1					
10 „	.813	.883	80.8	78.5	2.3	77.7	.90	80.9	82.5	„	0.0					
11 „	.804	.911	80.0	77.4	2.6	76.4	.90	80.2	82.3	„	0.2					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
0	C	∩ and ≀≀ along E hor., former moving SSE.	
0	B	∩ along E hor.; thunder in NE heard at 1h. 30m.	
0	B	∩ along E hor.; thunder in NE heard at 2h. 25m. and 2h. 50m.	
1	B	∩ and ≀ along E hor.	
3	B	∩ in NE hor.; ≀≀ in NE above hor.; ≀ about 2th.; thunder and lightning in E at 4h. 18m.	
6	L	∩ along E hor.; ≀≀ in E hem. above hor.; ≀ scattered throughout; lightning in NE.	
7	L	≀≀ and ≀ scattered throughout, former moving SSW; lightning in NE.	
8	L	≀≀ in E hem.; ≀ scattered throughout; comet observed at 7h. 7m. and disappeared at 7h. 42m.; lightning in NE.	
8	L	≀≀ in E hem.; ≀ scattered throughout; lightning in NE continually observed.	
7	C	Nearly overcast with ≀≀; continuous lightning in NE.	
5	C	≀≀ scattered about hor., moving SSE; lightning in NE every 7m.	
4	C	Clouded as before; lightning in NE every 5m.; dew falling.	
4	C	≀≀ scattered about hor.; lightning in N and E at intervals of about 12m.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 83°5.
5	B	≀≀ scattered about, moving SE; dew falling.	
4	B	≀≀ scattered about hor.; lightning in SE observed at 2h. 45m.	
5	B	≀≀ scattered about, moving SE; lightning in S every ½m.	
5	B	" " "	
2	L	Pieces of ≀≀ and ≀≀ scattered from N to SE; a few ≀ in S.	
7	L	≀≀ and ≀≀ scattered throughout; former moving S; a few ≀ in W.	
3	L	≀≀ scattered about hor., moving S.	
3	L	" " "	
5	C	≀≀ scattered about, moving S; a few ≀≀ above E hor.	
4	C	" " "	
3	C	∩ and ≀≀ about E hor. from N to SW, latter moving S.	
2	C	" " "	
1	B	∩ and ≀≀ in E hem.; thunder and lightning in SE.	
1	B	" " "	
1	B	∩ along E hor. ≀≀ in E hem.; ≀ in S; thunder in E.	
5	B	∩ along E hor.; ≀≀ in S; ≀ about 2th. and in E hem.; rainbow observed at 4h. 45m.; lightning in E.	
7	L	≀≀ and ≀ scattered throughout; lightning and thunder in NNE; rainbow still visible.	
7	L	≀≀ scattered about hor., moving SW; ≀ scattered throughout; lightning in NNE.	
7	L	Nearly overcast with ≀≀ and ≀, former moving W; sheet lightning in NNE hor. every 1m. 10s; comet seen at 7h. 36m.	
8	L	≀≀ around hor.; ≀ scattered throughout; continuous lightning in NNE. [disappeared at 7h. 49m.	
8	C	Overcast with ≀≀; lightning in NE and N every 2m.	
8	C	Overcast; lightning in NE every 7m.; a few stars visible in NE and W.	
8	C	Overcast; lightning in NE at intervals of 10m.; a few stars dimly visible in E & W.	
7	C	Nearly overcast with ≀≀.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°5.
2	B	≀≀ scattered about hor.; dew falling.	
2	B	≀≀ around hor., SW, and W, moving SW; dew falling.	
1	B	Masses of ≀≀ around hor.; dew falling.	
3	B	≀≀ scattered about hor., moving W; dew falling.	
1	L	Masses of ≀≀ around hor.; otherwise clear.	
1	L	≀≀ along W hor.; ≀≀ along E hor.	
4	L	Light ≀≀ scattered about, moving S.	
1	L	Masses of ≀≀ along W hor.	
1	C	∩ in S hor.; ≀≀ and ≀ around hor.; fog along E hor.	
1	C	∩ along E hor.; ≀≀ and ≀ around hor.	
1	C	" " "	
1	C	∩ along E hor.; a few masses of ≀≀ in W hor.; ≀≀ scattered about.	
5	B	∩ along E hor.; ≀ in N, NW, and W; ≀≀ scattered about 2th.	
4	B	∩ along E hor.; ≀ in NW and in S hem.; ≀≀ in S hem.	
2	B	∩ along E hor.; ≀ around hor.; ≀≀ above S hor.; thunder in NE heard at 3h. 20m. and 3h. 25m.	
3	B	∩ along E hor.; ≀ around hor.; ≀≀ scattered above S and W hor.	
3	L	∩ along E hor.; ≀≀ and ≀ scattered around hor.	
8	L	∩ in hor.; ≀≀ scattered throughout, moving W; lighting in ESE observed at 6h. 50m.	
8	L	Overcast with ≀≀ and ≀≀, both moving S; lightning in SE at intervals of about 45s.	
8	L	Overcast; lightning in SE at intervals of about 2m. 25s.	
8	C	Overcast; no lightning observed.	
6	C	≀≀ scattered about, moving S; a few ≀ above NE and N hor.	
2	C	≀≀ in SW above hor.; ≀ scattered in SW hem. above hor.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	s.
Oct. 7th-Midnight	29.789	28.885	79°7	77°6	2°1	76°8	0.91	80°0	82°1	ENE	0.0					
1 a. m.	.769	.881	79·0	77.0	2.0	76.2	.92	79.3	82.0	„	0.0					
2 „	.758	.850	79·0	77.5	1.5	76.9	.93	79.3	81.8	„	0.0					
3 „	.747	.867	78.3	76.6	1.7	75.9	.93	78.7	81.6	„	0.0					
4 „	.752	.888	77.6	76.0	1.6	75.4	.93	78.0	81.5	„	0.0					
5 „	.751	.874	77.2	76.2	1.0	75.8	.96	77.8	81.4	„	0.0					
6 „	.775	.910	76.8	75.8	1.0	75.4	.96	77.3	81.1	„	0.1					
7 „	.795	.887	79.0	77.5	1.5	76.9	.94	79.1	81.2	„	0.0					
8 „	.820	.879	81.6	79.0	2.6	78.0	.89	80.9	81.4	„	0.1					
9 „	.829	.903	83.0	79.0	4.0	77.4	.84	82.0	81.6	„	0.1					
10 „	.828	.890	84.2	79.6	4.6	77.9	.82	83.0	81.8	„	0.1					
11 „	.799	.857	85.4	80.0	5.4	78.1	.79	83.6	82.1	„	0.1	None.	None.	None.	None.	None.
Noon.	.769	.804	86.4	80.8	5.6	78.8	.79	85.0	82.3	NW	0.2					
1 p. m.	.737	.747	87.7	81.7	6.0	79.6	.78	86.0	82.6	NW b W	0.3					
2 „	.717	.727	88.9	82.0	6.9	79.6	.75	87.0	83.0	„	0.3					
3 „	.708	.672	88.8	83.0	5.8	81.1	.79	87.0	83.3	„	0.2					
4 „	.703	.681	88.0	82.5	5.5	80.6	.80	87.0	83.5	NNW	0.4					
5 „	.705	.696	86.0	81.7	4.3	80.2	.84	84.0	83.5	„	0.4					
6 „	.718	.746	83.0	80.3	3.5	79.1	.86	83.5	83.3	„	0.3					
7 „	.743	.748	83.2	80.7	2.5	79.8	.90	83.0	83.2	„	0.3					
8 „	.767	.743	83.0	81.3	1.7	80.7	.93	83.0	83.1	„	0.1					
9 „	.786	.807	82.0	80.0	2.0	79.3	.92	81.8	82.9	N b W	0.0					
10 „	.788	.842	81.2	79.0	2.2	78.2	.91	81.1	82.7	„	0.2					
11 „	.784	.855	70.9	78.5	2.4	77.6	.90	80.9	82.5	N	0.1					
Oct. 8th-Midnight	.773	.877	80·6	77.6	3.0	76.5	.88	80.7	82.5	N	0.2					
1 a. m.	.749	.857	79.7	77.2	2.5	76.3	.90	80.0	82.3	„	0.0					
2 „	.745	.841	79.4	77.5	1.9	76.8	.92	80.0	82.2	„	0.2					
3 „	.741	.765	79.9	79.4	0.5	79.2	.98	80.3	82.2	„	0.2		+	2		Above 10m.
4 „	.737	.762	80.5	79.5	1.0	79.2	.96	80.5	82.1	„	0.1					
5 „	.741	.861	79.0	76.8	2.2	75.9	.91	79.2	82.0	„	0.1					
6 „	.765	.905	78.0	76.0	2.0	75.2	.92	78.3	81.8	„	0.1		++	1		Above 10m.
7 „	.785	.880	79.6	77.6	2.0	76.8	.92	79.5	81.7	„	0.0		+	1		Above 10m.
8 „	.819	.893	83.0	79.0	4.0	77.5	.84	82.2	82.0	NNE	0.1					
9 „	.828	.876	85.2	80.2	5.0	78.4	.81	83.9	82.3	„	0.1					
10 „	.824	.924	85.4	79.0	6.4	76.6	.76	84.0	82.4	„	0·0					
11 „	.804	.917	86.5	79.0	7.5	76.2	.72	84.6	82.5	„	0.1	None.			None.	
Noon.	.775	.837	87.7	80.5	7.2	77.9	.73	86.4	82.8	NNW	0.2					
1 p. m.	.740	.734	89.5	82.5	7.0	80.1	.75	87.9	83.3	„	0.3					
2 „	.717	.724	88.6	82.0	6.6	79.7	.76	87.0	83.5	„	0.3					
3 „	.698	.660	88.3	82.9	5.4	81.1	.80	86.9	83.6	„	0.5					
4 „	.699	.719	87.4	81.4	6.0	79.3	.78	86.4	83.7	„	0.6					
5 „	.703	.755	86.0	80.3	5.7	78.3	.78	84.8	83.8	„	0.4					
6 „	.718	.751	83.8	80.2	3.6	78.9	.86	83.2	83.5	„	0.5					
7 „	.734	.743	83.2	80.6	2.6	79.7	.90	82.9	83.4	„	0.7					
8 „	.752	.732	83.0	81.2	1.8	80.6	.93	82.8	83.3	N b W	0.1					
9 „	.761	.786	82.4	80.0	2.4	79.2	.90	82.1	83.1	„	0.1					
10 „	.760	.819	81.6	79.0	2.6	78.0	.89	81.5	83.0	N	0·2					
11 „	.760	.812	81.0	79.0	2.0	78.3	.92	81.0	82.9	„	0.0					
Oct. 9th-Midnight	.753	.843	80.2	78.0	2.2	77.2	.91	80.5	82.6	N	0.0					
1 a. m.	.739	.861	79.9	77.0	2.9	75.9	.88	80.2	82.6	„	0.1					
2 „	.723	.843	80.1	77.1	3.0	75.9	.88	80.5	82.4	„	0.2					
3 „	.721	.922	80.0	75.0	5.0	73.0	.80	80.5	82.2	„	0.2					
4 „	.723	.885	80.0	76.0	4.0	74.4	.84	80.1	82.2	„	0.2					
5 „	.735	.901	79.6	75.8	3.8	74.3	.84	79.6	82.0	„	0.0	None.	None.	None.	None.	None.
6 „	.756	.953	78.6	74.7	3.9	73.1	.84	78.6	81.8	„	0.1					
7 „	.766	29.001	79.0	73.8	5.2	71.6	.79	79.4	81.7	„	0.1					
8 „	.783	28.958	82.6	76.4	6.2	73.9	.76	82.3	81.8	NNE	0.1					
9 „	.791	.994	83.7	76.0	7.7	72.9	.71	82.9	82.0	„	0.1					
10 „	.786	.943	86.0	77.8	8.2	74.6	.70	84.7	82.3	„	0.0					
11 „	.771	.934	88.2	77.0	11.2	72.5	.61	85.4	82.7	„	0.0					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌄ cirri; ⌄⌄ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ⌄⌣ nimbi.	
5	C	⌄⌣ and ⌄ scattered about, former moving S.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°5.
0	B	Clear, except in hor.; dew falling.	
0	B	" " "	
0	B	" " "	
0	B	" " "	
0	L	A few ⌄ along E hor.; otherwise clear.	
4	L	Light ⌄ scattered about.	
4	L	"	
3	L	⌄ scattered about hor.	
3	C	⌄ scattered here and there.	
1	C	⌄ scattered around hor.	
0	C	A few ⌄ in the sky.	
1	C	⌒ in E hor.; ⌄ scattered here and there.	
0	B	⌒ in E hor.; ⌄ around hor.; a few pieces of ⌄⌄ in E.	
0	B	⌒ in E hor.; ⌄ above S and NE hor.; ⌄⌄ above NE hor.	
0	B	⌒ in E hor.; ⌄ in S and NE hor.	
0	B	" "	
0	L	⌒ and ⌄⌄ along E hor.; otherwise clear.	
0	L	A few ⌄⌄ in E; ⌄ in W; comet visible at 6h. 12m.	
0	L	A few ⌄⌄ in E; ⌄ in W; comet disappeared at 7h. 52m.	
1	L	⌄⌄ along E hor. from NE to S.	
1	C	⌄⌄ along E hor.; light ⌄⌣ and ⌄ in S and SW.	
1	C	⌄⌄ along E hor.; ⌄⌣ in S and SW; light ⌄ above W hor.	
4	C	⌄⌄ and ⌄ scattered about; ⌄⌣ in S and SW.	
5	C	⌄⌣ and ⌄⌄ scattered about, former moving S; ⌄ above E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°4.
1	B	⌄⌣ scattered around hor., moving S.	
0	B	Clear, except in hor.	
0	B	Clear; dew falling.	
0	B	" "	
0	L	A few ⌄ and ⌄⌄ in E hor.	
1	L	⌄⌄ in NE hor.; ⌄ along E hor.	
0	L	A few ⌄ in hor.; otherwise clear.	
0	L	A few ⌄ and ⌄⌄ in S and SW above hor.	
1	C	⌄ above S and SE hor.; ⌄⌄ moving here and there.	
0	C	A few ⌄⌄ in W and SW; ⌄ from N to SW hor.	
1	C	⌄ scattered from N to SW hor.	
2	C	⌒ along E hor.; ⌄ in E hem.	
3	B	⌒ along E hor.; ⌄ in E hem. and its few patches in W.	
3	B	⌒ and ⌄ along E hor.; ⌄ scattered also in E hem.	
5	B	⌒ along E hor.; ⌄ scattered about.	
5	B	⌄ scattered about.	
7	L	"	
5	L	⌄ scattered about; comet visible at 6h. 10m.	
2	L	⌄ scattered about hor.; comet not visible at 7h. 54m.	
2	L	⌄ scattered about hor.	
2	C	"	
2	C	"	
2	C	⌄ scattered about hor.; dew falling.	
2	C	Light ⌄ scattered about; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2. The Reading of Barometer at 4 P. M. was lowest in the month, and about 0·104in. lower than the Normal Mean; Reading of Air Thermometer at 1 P. M. was greatest in the month.
2	B	⌄ scattered about hor.	
2	B	"	
1	B	"	
1	B	⌄ scattered around hor.; patches of ⌄⌄ in S, moving S.	
3	L	⌄⌄ and ⌄ scattered about hor.	
5	L	⌄⌄ and ⌄ scattered about, former moving WSW.	
7	L	⌣ along E hor.; ⌄⌄ and ⌄ scattered throughout.	
7	L	⌣ along E hor.; light masses of ⌄⌣ in E; ⌄ and ⌄⌄ scattered throughout.	
7	C	⌣ along E hor.; ⌄ and ⌄⌄ scattered throughout.	
7	C	⌒ and ⌣ along E hor.; ⌄⌄ in W; ⌄ scattered throughout.	
7	C	⌒ and ⌣ along E hor.; ⌄ and ⌄⌄ scattered about.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 9th-Noon.	29.746	28.970	89°4	77°0	12°4	72°1	0.57	88°0	83°0	NNE	0.1					
1 p. m.	.712	.813	91.3	80.5	10.8	76.6	.63	88.3	83.4	NW	0.2					
2 „	.690	.744	90.1	81.3	8.8	77.8	.69	88.0	83.6	NW b N	0.1					
3 „	.669	.707	89.5	81.5	8.0	78.7	.71	87.9	83.7	NNW	0.5					
4 „	.659	.765	88.7	80.0	8.7	76.4	.69	87.1	83.8	„	0.3					
5 „	.681	.774	86.7	79.5	7.2	76.9	.74	85.7	83.9	„	0.2	None.	None.	None.	None.	None.
6 „	.692	.744	84.8	80.0	4.8	78.3	.81	84.0	83.5	„	0.2					
7 „	.710	.748	84.3	80.2	4.1	78.7	.84	83.9	83.5	„	0.2					
8 „	.749	.784	84.0	80.2	3.8	78.8	.85	83.6	83.5	NNE	0.0					
9 „	.748	.783	83.6	80.4	3.2	78.8	.87	83.3	83.2	„	0.0					
10 „	.749	.821	82.8	79.0	3.8	77.6	.85	82.8	83.2	NE b N	0.0					
11 „	.736	.805	82.5	79.0	3.5	77.7	.86	82.5	83.1	NE b E	0.2					
Oct. 11th-Midnight	.787	.887	77.2	76.8	0.4	76.6	.98	77.8	81.5	ENE	0.1					
1 a. m.	.773	.873	77.2	76.8	0.4	76.6	.98	77.9	81.4	ESE	0.0					
2 „	.759	.858	76.8	76.7	0.1	76.7	1.00	77.7	81.2	NE	0.0					
3 „	.761	.855	77.0	76.9	0.1	76.8	.00	77.8	81.1	„	0.0					
4 „	.766	.873	77.1	76.6	0.5	76.4	0.98	77.7	81.0	„	0.2					
5 „	.770	.874	77.2	76.7	0.5	76.5	.98	77.9	81.0	„	0.1					
6 „	.787	.894	76.8	76.5	0.3	76.4	.99	77.5	80.9	E	0.1					
7 „	.801	.886	78.0	77.4	0.6	77.2	.97	78.6	80.9	„	0.1					
8 „	.828	.903	80.4	78.3	2.1	77.5	.91	80.2	81.1	„	0.1					
9 „	.821	.879	81.5	79.0	2.5	78.1	.90	81.3	81.3	„	0.1					
10 „	.812	.831	83.4	80.4	3.0	79.3	.88	82.6	81.5	„	0.2					
11 „	.787	.784	84.6	81.2	3.4	80.1	.87	83.0	81.9	„	0.1					
Noon.	.769	.786	84.8	80.8	4.0	79.4	.84	83.4	82.1	„	0.1					
1 p. m.	.735	.731	85.7	81.5	4.2	80.1	.84	84.6	82.3	W b N	0.2					
2 „	.703	.722	86.6	81.2	5.4	79.4	.80	85.3	82.6	„	0.2					
3 „	.716	.747	84.9	80.5	4.4	78.9	.83	83.9	82.6	WNW	0.1	Less than one cent	—	Out of Sc.	Out of Sc.	Instantly.
4 „	.716	.746	82.8	80.0	2.8	79.0	.89	82.3	82.5	WSW	0.1		—	Out of Sc.	Out of Sc.	Instantly.
5 „	.731	.737	82.2	80.4	1.8	79.8	.93	81.6	82.5	NW	0.1		—	20	18	0.30
6 „	.737	.878	78.8	76.2	2.6	75.2	.89	78.9	82.3	„	0.2					
7 „	.766	.853	79.6	77.8	1.8	77.1	.93	80.1	82.1	„	0.1					
8 „	.785	.891	79.2	77.2	2.0	76.4	.92	79.7	81.9	SE	0.0		—	Out of Sc.	30	0.10
9 „	.805	.893	79.7	77.8	1.9	77.1	.92	79.8	81.8	„	0.1		—	Out of Sc.	35	3.00
10 „	.803	.898	78.9	77.4	1.5	76.8	.94	79.2	81.8	„	0.0					
11 „	.789	.911	78.0	76.5	1.5	75.9	.94	78.2	81.5	„	0.0					
Oct. 12th-Midnight	.768	.869	78.0	77.0	1.0	76.6	.96	78.5	81.4	SE	0.0					
1 a. m.	.753	.858	77.6	76.8	0.8	76.5	.97	78.1	81.2	„	0.0					
2 „	.739	.863	77.6	76.3	1.3	75.8	.94	77.9	81.1	ENE	0.2					
3 „	.740	.861	77.3	76.3	1.0	75.9	.96	77.9	81.0	„	0.1					
4 „	.740	.832	77.2	77.0	0.2	76.9	.99	77.9	80.9	„	0.1					
5 „	.743	.862	76.8	76.2	0.6	76.0	.97	76.7	80.8	„	0.0					
6 „	.765	.881	76.6	76.2	0.4	76.1	.98	77.0	80.7	E	0.1					
7 „	.789	.886	78.4	77.2	1.2	76.7	.95	78.7	80.7	SE	0.1					
8 „	.798	.902	79.0	77.2	1.8	76.5	.92	79.0	80.8	S	0.1					
9 „	.809	.879	80.8	78.5	2.3	77.7	.91	80.5	81.0	„	0.0					
10 „	.809	.837	82.6	80.0	2.6	79.1	.90	81.7	81.2	„	0.1	None.	None.	None.	None.	None.
11 „	.784	.843	84.0	79.6	4.4	78.0	.83	82.8	81.5	NNW	0.1					
Noon.	.754	.800	84.3	80.0	4.3	78.5	.83	83.0	81.7	W	0.2					
1 p. m.	.723	.746	85.7	80.9	4.8	79.2	.82	83.5	81.9	NW b N	0.3					
2 „	.697	.713	86.3	81.2	5.1	79.4	.81	85.1	82.3	NW	0.5					
3 „	.680	.739	86.7	80.3	6.4	78.0	.76	85.1	82.4	„	0.2					
4 „	.674	.726	86.8	80.5	6.3	78.3	.77	85.1	82.6	NW b N	0.1					
5 „	.685	.739	85.0	80.0	5.0	78.2	.81	84.0	82.7	NW	0.6					
6 „	.683	.734	83.2	79.6	3.6	78.3	.86	83.0	82.6	„	1.5					
7 „	.712	.744	83.0	80.0	3.0	78.9	.88	82.9	82.5	„	0.8					
8 „	.736	.774	82.8	79.8	3.0	78.7	.88	82.7	82.5	„	0.1					
9 „	.738	.814	82.4	78.8	3.6	77.5	.86	82.2	82.4	WNW	0.0					
10 „	.735	.788	81.8	79.2	2.6	78.2	.89	82.0	82.4	NW	0.0					
11 „	.735	.754	81.8	80.0	1.8	79.4	.93	81.9	82.4	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
6	C	≀ along E hor.; ≀ and ≀ scattered about.	
5	B	" "	
6	B	≀ along E hor.; ≀ scattered around hor.; ≀ about zth.	
5	B	≀ along E hor.; ≀ around hor.; ≀ scattered about.	
5	B	≀ along E hor.; ≀ scattered about.	
4	C	≀ along E hor.; ≀ in S, SW, W, and N above hor.; ≀ scattered about.	
4	C	≀ along E hor.; ≀ in S, SW, and W; ≀ scattered about; lightning along E hor. after 6h. 24m.; comet visible at 6h. 5m.	
3	C	≀ & ≀ scattered around hor.; lightning in NE every 50s.; comet went behind the clouds after 7h. 55m.	
5	C	≀ and ≀ scattered about; lightning in E and NE for every minute.	
5	C	≀ and ≀ scattered about, moving S; continuous lightning in NE and E.	
4	C	≀ scattered about hor., moving S; continuous lightning and thunder along E hor.	
4	C	≀ scattered about hor., moving S; lightning along E hor. every 5m.	
8	C	Overcast with ≀, moving SE; lightning in N every 2m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 83°3.
6	B	≀ scattered throughout; lightning in NE hor. at intervals of 57s.	
5	B	≀ scattered about; lightning in NE hor. at intervals of 1m. 20s.	
5	B	≀ scattered about, moving SW; lightning in NE.	
6	B	≀ scattered throughout, moving W.	
8	L	≀ scattered about, moving SW.	
5	L	≀ scattered throughout, moving W; ≀ along E hor.	
6	L	≀ scattered about, moving SW.	
2	L	≀ scattered around.	
1	C	Small masses of ≀ scattered here and there.	
1	C	≀ along E hor.; ≀ scattered in E hor.	
1	C	≀ along E hor.; pieces of ≀ scattered about, moving W.	
2	C	" " "	
2	B	≀ along E hor.; ≀ around hor.; ≀ scattered N of zth.; thunder in NE heard occasionally.	
3	B	≀ along E hor.; ≀ in W; ≀ scattered here and there; thunder in E.	
6	B	≀ along E; dense ≀ scattered throughout, moving SW; thunder E; rain commenced at 3h. 43m.	
7	B	≀ along E hor.; ≀ and ≀ scattered throughout, former moving W; thunder in E; scattered drops of rain falling.	
8	L	≀ along E hor.; ≀ scattered throughout, moving S; ≀ along W hor.; rain ceased at 5h. 12m.	
7	L	≀ and ≀ around hor.; ≀ and ≀ scattered throughout, former moving S; lightning in E hor.	
8	L	Overcast with ≀, moving S; continuous lightning in E, SE, and S hor.	
8	L	≀ and ≀ scattered throughout, former moving S; continuous lightning in S and SW hor.	
8	C	Overcast with ≀, moving S; lightning in S at intervals of 15s.; a few stars dimly visible.	
4	C	≀ around hor.; ≀ scattered throughout.	
3	C	≀ around hor. and in E, moving S; ≀ scattered about E hor.	
4	C	≀ scattered around hor.; ≀ above E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 83°3.
4	B	≀ scattered about hor.	
5	B	≀ scattered about, moving WSW.	
6	B	" "	
6	B	≀ scattered throughout, moving SW.	
2	L	≀ about hor. from NE to S; ≀ around hor.	
7	L	≀ along E hor.; ≀ and ≀ scattered throughout, former moving SW.	
6	L	≀ in NE and W, moving W; ≀ in SE and S; ≀ scattered throughout.	
4	L	≀ in E, SE, and S hor.; ≀ in E hem., moving W; ≀ scattered around hor.	
6	C	≀ along E hor.; ≀ scattered throughout.	
6	C	≀ in E, SE, and S hor.; ≀ above S and SW hor.; ≀ scattered throughout.	
5	C	" " "	
4	C	≀ and ≀ along E hor.; ≀ around hor.; ≀ scattered throughout, moving W.	
3	B	≀ along E hor.; ≀ and ≀ scattered throughout.	
3	B	≀ and ≀ along E hor.; ≀ around hor.; ≀ above S hor., two latter moving W.	
3	B	≀ in S hor.; ≀ and ≀ scattered about, former moving W.	
5	B	≀ from W to NE hor.; ≀ and ≀ scattered throughout, former moving W.	
7	L	≀ along W hor.; ≀ and ≀ scattered throughout.	
7	L	" "	
8	L	Overcast with ≀ and ≀, latter moving W.	
8	L	" "	
8	L	" "	
8	L	" "	
8	L	" "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 13th-Midnight	29.727	28.720	81°8	80°6	1°2	80°2	0.95	81°9	82°4	NW	0·0					
1 a. m.	.720	.734	81.4	80.0	1.4	79.5	.94	81.4	82.2	„	0·0					
2 „	.704	.773	80.7	78.5	2.2	77.7	.91	80.5	82.1	„	0.2					
3 „	.697	.839	78.2	76.0	2.2	75.1	.91	78.5	81.9	„	0.2					
4 „	.701	.916	77.8	74.0	3.8	72.4	.84	78.4	81.5	„	0.4					
5 „	.717	.919	78.4	74.5	3.9	72.9	.84	78.8	81.5	„	0.4					
6 „	.737	.910	78.2	75.2	3.0	74.0	.87	78.4	81.4	NNW	0.1					
7 „	.757	.861	79.0	77.2	1.8	76.5	.92	79.5	81.4	E	0.1		—	7		0.07
8 „	.781	.904	80.0	77.0	3.0	75.8	.88	80.3	81.4	E b N	0.1		—	8		0.06
9 „	.783	.920	83.1	77.5	5.6	75.3	.78	83.1	81.5	„	0·2					
10 „	.782	.903	85.4	78.5	6.9	75.9	.74	84.4	81.9	„	0.2					
11 „	.767	.878	86.4	79.0	7.4	76.3	.73	85.3	82.3	„	0.1					
Noon.	.746	.895	86.0	78.0	8.0	74.9	.70	84.6	82.5	„	0·1					
1 p. m.	.724	.807	86.1	79.6	6.5	77.2	.76	84.9	82.5	„	0.1					
2 „	.695	.765	87.2	80.2	7.0	77.7	.74	86.2	82.8	„	0·1					
3 „	.685	.720	86.8	80.9	5.9	78.8	.78	85.8	82.8	ENE	0.1					
4 „	.687	.746	87.4	80.5	6.9	78.0	.75	85.8	83.1	NW	0·1					
5 „	.697	.706	85.2	81.1	4.1	79.7	.84	84.4	83.2	„	0·4					
6 „	.708	.704	84.0	81.1	2.9	80.1	.88	83.7	83.0	„	0.3					
7 „	.718	.748	83.6	80.2	3.4	79.0	.87	83.5	83.0	„	0.1		—	Out of Sc.	25	0.20
8 „	.751	.802	82.4	79.4	3.0	78.3	.88	81.4	82.9	N	2.8		—	Out of Sc.	Out of Sc.	Instantly.
9 „	.762	.819	79.2	78.4	0.8	78.1	.97	79.4	82.5	SE	0.3		—	Out of Sc.	Out of Sc.	Instantly.
10 „	.759	.795	79.2	78.9	0.3	78.8	.99	79.4	82.3	S	0.2	0.01	—	Out of Sc.	Out of Sc.	Instantly.
11 „	.752	.798	78.6	78.5	0.1	78.5	1.00	78.9	82.0	„	0.5	0.02	—	Out of Sc.	Out of Sc.	Instantly.
Oct. 14th-Midnight	.751	.812	78.0	78.0	0.0	78.0	.00	78.2	81.8	S	0.3	0.10	—	Out of Sc.	Out of Sc.	Instantly.
1 a. m.	.738	.825	77.5	77.2	0.3	77.1	0.99	77.9	81.7	SSE	0.2	0.02	—	Out of Sc.	Out of Sc.	Instantly.
2 „	.740	.832	77.2	77.0	0.2	76.9	.99	77.7	81.6	S	0.2	0.06	—	Out of Sc.	Out of Sc.	Instantly.
3 „	.744	.826	77.2	77.2	0.0	77.3	1.00	77.9	81.4	„	0.0	0.05	—	Out of Sc.	Out of Sc.	Instantly.
4 „	.740	.827	77.1	77.1	0.0	77.1	.00	77.9	81.3	„	0.2	0 05				
5 „	.759	.830	77.2	77.5	−0.3	77.6	.01	77.9	81.1	„	0.1	0.01				
6 „	.775	.846	77.2	77.5	−0.3	77.6	.01	77.8	81.0	„	0.2	0.01				
7 „	.785	.848	77.6	77.8	−0.2	77.9	.01	77.9	81.0	„	0.3					
8 „	.804	.874	78.8	78.0	0.8	77.7	0.96	79.1	81.0	„	0.2					
9 „	.806	.857	80.2	78.8	1.4	78.3	.94	80.4	81.3	SSE	0.4					
10 „	.816	.848	83.0	80.0	3.0	78.9	.88	82.7	81.5	„	0.3					
11 „	.800	.802	84.2	81.0	3.2	79.9	.87	83.4	81.8	„	0.3					
Noon.	.787	.787	84.8	81.2	3.6	80.0	.86	84.0	82.1	„	0.1					
1 p. m.	.774	.779	84.9	80.2	4.7	79.8	.82	84.0	82.3	SSW	0.3					
2 „	.756	.769	84.4	80.8	3.6	79.5	.86	83.9	82.4	„	0.2					
3 „	.743	.750	83.9	80.8	3.1	79.7	.88	83.5	82.4	„	0.2					
4 „	.749	.777	83.4	80.2	3.2	79.1	.87	83.4	82.4	„	0.3					
5 „	.769	.792	81.8	79.9	1.9	79.2	.92	81.7	82.4	SW	0.2					
6 „	.778	.802	80.8	79.6	1.2	79.2	.95	81.2	82.2	„	0.1					
7 „	.809	.831	80.6	79.6	1.0	79.3	.96	81.0	82.2	„	0.0					
8 „	.819	.873	79.4	78.8	0.6	78.6	.97	80.2	82.1	„	0.0					
9 „	.824	.861	80.0	79.1	0.9	78.8	.96	80.1	81.9	SW b S	0.2					
10 „	.809	.847	79.7	79.0	0.7	78.7	.97	79.8	81.8	S b E	0·2					
11 „	.807	.879	79.0	78.0	1.0	77.6	.96	79.2	81.6	SSE	0.1					
Oct. 15th-Midnight	.794	.859	78.4	78.0	0.4	77.8	.98	78.9	81.5	SSE	0.1					
1 a. m.	.791	.853	78.8	78.2	0.6	77.9	.97	79.2	81.5	„	0.0					
2 „	.782	.868	78.5	77.5	1.0	77.1	.96	79.0	81.4	„	0.0					
3 „	.784	.853	78.7	78.0	0.7	77.7	.97	79.1	81.4	„	0.3					
4 „	.786	.869	78.2	77.5	0.7	77.2	.97	78.7	81.3	„	0·2	None.	None.	None.	None.	None.
5 „	.782	.839	78.4	78.2	0.2	78.1	.99	79.0	81.2	„	0.0					
6 „	.815	.878	78.2	78.0	0.2	77.9	.99	78.4	81.2	„	0.4					
7 „	.831	.873	78.6	78.6	0.0	78.6	1.00	79.0	81.1	„	0·3					
8 „	.855	.867	81.2	80.0	1.2	77.6	0.95	81.1	81.3	„	0.3					
9 „	.868	.900	83.0	80.0	3.0	78.9	.88	82.3	81.6	„	0.3					
10 „	.861	.918	81.8	79.1	2.7	78.1	.89	81.6	81.7	„	0.0					
11 „	.845	.877	83 0	80.0	3.0	78.9	.88	82.5	81.8	„	0·0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀— cirro-strati; ∩— cumulo-strati; and ≀≀ nimbi.	
8	L	Overcast with ≀≀ and ≀, former moving W; drizzling rain commenced at 0h. 56m.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°2 and 83°3. Daily fall of rain by Osler's Gauge 0.03; Maximum Tension of Electricity by Henly's Apparatus 15.0; Maximum length of Spark by Ronald's Measure 0.17in.
8	C	Overcast; rain ceased at 1h. 25m.	
8	C	Overcast; drizzling rain commenced at 2h. 16m.	
8	C	Overcast; rain ceased at 3h. 37m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	—≀ along W hor.; ≀≀ around hor.; ≀≀ and ≀ scattered throughout, former moving W.	
7	B	—≀ along W hor.; ≀≀ and ≀ scattered throughout, former moving W.	
7	B	∩≀ in E hor.; ≀ around hor.; ≀≀ scattered throughout, moving W.	
7	C	∩≀ along E hor.; ≀ and ≀≀ scattered throughout, latter moving W.	
6	C	∩≀ around hor., except in W; ≀≀ above E hor.; ≀ and ≀≀ scattered throughout.	
5	C	∩≀ in hor.; ≀ around hor.; ≀≀ and ≀≀ scattered throughout, both moving W.	
7	C	" " " "	
7	B	∩≀ and ≀≀ from N to SE hor.; ≀ and ≀≀ scattered throughout, former moving W.	
7	B	" " " "	
7	B	∩≀ in hor. from NW to SE; ≀, ≀≀, and ≀≀ scattered throughout, latter two moving S.	
7	B	∩≀ from NW to SE hor.; ≀, ≀≀, & ≀≀ scattered throughout, latter moving W.	
7	L	∩≀ & —≀ around hor.; ≀ & ≀≀ scattered throughout, latter moving S; a portion of rainbow visible in ESE at 5h. 32m.	
7	L	Clouded as before; lightning in NE and E for every minute; thunder in NE occasionally heard after 6h. 32m.	
8	L	Overcast with ≀≀ and ≀, former moving S; continuous lightning and thunder in E and SE.	
8	L	Overcast with ≀≀, moving SW; lightning and thunder in E hem.; scattered drops of rain falling after 8h. 17m.	
8	C	Overcast; continuous lightning and thunder in E hem.; scattered drops of rain falling.	
8	C	Overcast; continuous lightning in WSW; thunder about zth.; scattered drops of rain falling.	
8	C	Overcast; continuous lightning in E and WSW; drops of rain falling.	
8	C	Overcast with ≀≀ whose motion was not apparent; drizzling rain falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°1 and 83°2. Daily fall of rain by Osler's Gauge 0.30; Maximum Tension of Electricity by Henly's Apparatus 16.0; Maximum length of Spark by Ronald's Measure 0.19in.
8	B	Overcast; lightning around hor.; thunder in W; raining lightly.	
8	B	Overcast; lightning around hor.; thunder in SE; raining lightly.	
8	B	Overcast; lightning about zth. at intervals of 2m. 25s.; raining lightly.	
8	B	Overcast; lightning about zth. at intervals of 6m.; raining lightly.	
8	C	Overcast; rain ceased at 5h. 34m.	
8	C	Overcast with ≀≀ and ≀, former moving W.	
8	C	Overcast with ≀, ≀≀, and ≀≀, last moving NW; fog along E hor.	
8	C	" " "	
8	L	∩≀ around hor.; ≀ scattered throughout.	
8	L	∩≀ around hor.; ≀≀ in W and E; ≀ scattered throughout.	
7	L	∩≀ around hor.; ≀≀ in SW & W; light ≀≀ in E, moving N; ≀ scattered throughout.	
8	L	∩≀ around hor.; ≀≀ in E, moving N; ≀≀ about zth.; ≀ scattered throughout.	
7	B	∩≀ around hor., except in S; ≀, ≀≀, and ≀≀ scattered throughout, latter moving NNW.	
7	B	" " " "	
7	B	∩≀ and ≀≀ around hor.; ≀ and ≀≀ scattered throughout, latter moving S.	
6	B	∩≀ in hor.; ≀≀ in E, moving N; ≀≀ and ≀ scattered throughout.	
8	L	∩≀ around hor.; ≀≀ in W hem., moving N; ≀≀ in E and SW; ≀ scattered throughout.	
8	L	∩≀ in NE hor.; ≀≀ in E and W, moving N; ≀≀ in NE; ≀ scattered throughout.	
8	L	≀≀ and ≀ scattered throughout, former moving N; continuous lightning in E and NE.	
8	L	≀≀ in S hem.; ≀≀ about zth., moving N; ≀ scattered throughout; lightning in NE.	
7	C	≀≀ around hor.; ≀≀ above S and SW hor.; ≀ scattered about; lightning in NE every 4m.	
7	C	≀≀ in W above hor.; ≀≀ above SW hor.; ≀ scattered throughout; lightning in NE.	
5	C	≀≀ in N hem.; ≀ scattered about hor.	
3	C	≀ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°1 and 83°2.
4	B	≀≀ scattered about, moving N; ≀ above SE hor.	
4	B	≀≀ scattered about, moving WNW.	
4	B	≀≀ scattered about, moving W.	
8	B	Overcast; lightning in E every minute.	
6	L	≀≀ and ≀ scattered about, former moving W.	
8	L	Overcast with ≀≀ and ≀.	
8	L	Light ≀≀ and ≀≀ scattered throughout, former moving NW.	
8	L	" "	
7	C	≀≀ around hor. and in E, moving N; ≀≀ and ≀ scattered throughout.	
8	C	Overcast with ≀≀ and ≀≀, former moving N.	
8	C	≀≀ around hor.; ≀≀ scattered throughout.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 15th-Noon.	29.817	28.828	85°0	81°0	4°0	79°6	0.84	83°9	82°0	SSW	0.2					
1 p. m.	.794	.809	85.4	81.0	4.4	79.5	.83	84.0	82.3	SW	0.1		+	20	20	1.05
2 „	.767	.811	84.1	80.0	4.1	78.5	.84	83.4	82.3	WSW	0.1		+	20	20	4.20
3 „	.747	.765	82.9	80.3	2.6	79.4	.90	82.9	82.3	„	0.2		+	1		Above 10m.
4 „	.752	.822	82.5	79.3	3.2	77.7	.87	82.1	82.3	„	0.1					
5 „	.769	.815	81.6	79.3	2.3	78.5	.91	81.7	82.3	W	0.1					
6 „	.773	.821	80.6	79.0	1.6	78.4	.93	81.0	82.1	WSW	0.0	None.				
7 „	.789	.832	80.2	79.0	1.2	78.6	.95	80.6	82.0	„	0.0					
8 „	.818	.859	80.0	79.0	1.0	78.6	.96	80.5	81.9	„	0.0					
9 „	.814	.851	79.6	79.0	0.6	78.8	.97	80.3	81.8	„	0.0					
10 „	.815	.856	80.0	79.0	1.0	78.6	.96	80.3	81.6	„	0.0					
11 „	.806	.843	79.6	79.0	0.6	78.8	.97	80.0	81.5	„	0.0					
Oct. 16th-Midnight	.791	.847	79.0	78.4	0.6	78.1	.97	79.6	81.5	WSW	0.0					
1 a. m.	.784	.850	79.0	78.3	0.7	77.8	.95	79.5	81.5	„	0.0					
2 „	.774	.808	79.0	78.9	0.1	78.9	1.00	79.5	81.3	„	0.0					
3 „	.773	.836	78.2	78.0	0.2	77.9	0.99	78.9	81.2	NNE	0.0	0.07	—	20	20	6.05
4 „	.767	.885	77.0	76.3	0.7	76.0	.97	77.9	81.1	ENE	0.0	0.18				
5 „	.783	.884	76.6	76.6	0.0	76.6	1.00	77.7	80.9	„	0.0					
6 „	.812	.864	77.2	78.0	−0.8	78.3	.04	78.0	81.0	„	0.1					
7 „	.833	.837	79.0	79.6	−0.6	79.8	.03	79.6	81.2	„	0.0					
8 „	.853	.859	80.6	80.0	0.6	79.8	0.98	80.5	81.4	E b N	0.1					
9 „	.868	.921	81.5	79.1	2.4	78.2	.90	80.8	81.5	„	0.0					
10 „	.863	.887	83.0	80.2	2.8	79.2	.89	82.1	81.9	„	0.0					
11 „	.834	.837	84.3	81.0	3.3	79.9	.87	83.1	82.0	„	0.0					
Noon.	.805	.812	84.6	81.0	3.6	79.7	.86	83.5	82.3	„	0.0					
1 p. m.	.773	.773	85.6	81.4	4.2	80.0	.84	84.4	82.5	WNW	0.1					
2 „	.747	.784	86.5	81.5	5.0	78.8	.81	84.9	82.7	„	0.2					
3 „	.743	.754	86.6	81.4	5.2	79.6	.80	85.1	82.7	NW	0.2					
4 „	.753	.783	84.4	80.4	4.0	79.0	.84	83.4	82.6	NW b W	0.2					
5 „	.762	.797	83.3	80.0	3.3	78.8	.87	82.9	82.5	NNW	0.1					
6 „	.787	.815	82.3	79.9	2.4	79.1	.90	82.0	82.4	„	0.2					
7 „	.806	.828	81.7	79.9	1.8	79.3	.93	81.7	82.3	„	0.1					
8 „	.829	.856	81.4	79.7	1.7	79.1	.93	81.2	82.3	„	0.1					
9 „	.836	.889	81.1	79.0	2.1	78.2	.91	80.9	82.2	NNE	0.1		—	18	18	1.06
10 „	.830	.868	80.5	79.2	1.3	78.7	.95	80.3	82.1	„	0.1		+	4		Above 10m.
11 „	.826	.871	80.0	78.9	1.1	78.5	.95	80.0	82.0	NE	0.0		+	4		3.24
Oct. 18th-Midnight	.815	.847	79.2	79.0	0.2	78.9	.99	79.5	81.5	ESE	0.1		+	2		Above 10m.
1. a. m.	.793	.865	79.1	78.0	1.1	77.6	.95	79.5	81.5	„	0.0		+			
2 „	.783	.851	78.3	77.9	0.4	77.7	.98	78.9	81.4	„	0.1		+	1		Above 10m.
3 „	.773	.841	78.3	77.9	0.4	77.1	.98	78.9	81.4	„	0.3					
4 „	.786	.893	77.8	76.8	1.0	76.4	.96	78.4	81.3	„	0.0					
5 „	.807	.842	78.0	78.6	−0.6	78.8	1.03	78.6	81.1	„	0.0		+	1		Above 10m.
6 „	.821	.896	77.8	77.6	0.2	77.5	0.99	78.4	81.0	SW	0.1					
7 „	.836	.905	79.1	78.1	1.0	77.7	.96	79.6	81.2	„	0.1					
8 „	.854	.901	80.9	79.1	1.8	78.4	.92	80.9	81.3	„	0.1					
9 „	.878	.911	81.2	79.5	1.7	78.9	.93	81.0	81.5	„	0.0					
10 „	.871	.899	82.6	80.0	2.6	79.1	.90	81.8	81.5	„	0.0					
11 „	.848	.847	83.5	80.9	2.6	80.0	.90	82.2	81.7	W b N	0.1					
Noon.	.819	.836	84.0	80.6	3.4	79.4	.87	83.0	81.9	W b S	0.1					
1 p. m.	.790	.791	85.3	81.3	4.0	79.9	.85	84.2	82.1	W b N	0.1					
2 „	.775	.779	85.5	81.5	4.0	80.1	.85	84.3	82.4	WNW	0.1					
3 „	.766	.746	86.2	82.0	4.2	80.6	.84	84.9	82.5	W	0.1					
4 „	.777	.763	86.7	82.0	4.7	80.4	.82	85.1	82.8	W b S	0.1		—	Out of Sc.	Out of Sc.	Instantly.
5 „	.795	.862	82.7	79.1	3.6	77.8	.86	82.4	82.7	N b E	0.4		—	Out of Sc.	Out of Sc.	Instantly
6 „	.804	.942	80.0	76.6	3.4	75.3	.86	80.0	82.4	N	1.0					
7 „	.819	.935	78.3	76.7	1.6	76.1	.93	78.5	81.9	N b W	0.3	0.02	—	Out of Sc.	Out of Sc.	Instantly.
8 „	.865	.952	79.2	77.7	1.5	77.1	.94	79.4	81.8	ESE	1.0		—	Out of Sc.	40	0.04
9 „	.867	.987	77.2	76.3	0.9	75.9	.96	77.6	81.5	SW	0.3	0.05	—	Out of Sc.	Out of Sc.	Instantly.
10 „	.875	.996	77.3	76.3	1.0	75.9	.96	77.8	81.3	SSW	0.6					
11 „	.855	.984	77.0	76.0	1.0	75.6	.96	77.8	81.0	SE	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
6	C	∿ around hor.; ∿ scattered throughout; thunder in N heard after 12h. 50m.	
6	B	⌒ along E hor.; ∿, ∿, and ∿ scattered throughout, former moving NE.	
6	B	⌒ along E hor.; ∿ and ∿ scattered throughout, former moving NNE.	
6	B	" " "	
6	B	⌒ and ∿ around hor.; otherwise clouded with ∿.	
8	L	⌒ along E hor.; ∿ and ∿ scattered throughout, latter moving WSW.	
6	L	⌒ along E hor.; ∿ in W and NW; moving WSW; ∿ scattered about zth.	
8	L	∿ and ∿ about hor.; ∿ scattered about; lightning in SE every 3m.	
8	L	Clouded as before; lightning in SE hor. every 4m.	
7	•L	∿ and ∿ scattered throughout; lightning in NE at intervals of 4m. 50s.	
8	C	∿ and ∿ scattered throughout, former moving ENE; lightning in NE hor. every 5m.	
7	C	∿ scattered about, moving ENE; ∿ in W and SW.	
6	C	∿ around hor.; ∿ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2. Daily fall of rain by Osler's Gauge 0.25in.
3	B	∿ around hor. and in zth., moving W.	
6	B	∿ scattered about; light rain at 2h. 25m.	
8	B	Overcast; rain ceased at 3h. 37m. but recommenced at 3h. 39m. which lasted 10m.	
3	B	∿ around hor. and in S, moving W.	
4	L	∿ scattered about hor., moving S; ∿ about zth.	
7	L	∿ around hor., moving SW; ∿ and ∿ scattered about.	
6	L	⌒ in W hor.; ⌣ along E hor.; ∿ scattered about, moving W.	
7	L	⌒ along E hor.; ∿ and ∿ above S and SE hor.; ∿ scattered throughout, except in SE, moving SW.	
6	C	⌒ along E hor.; ∿ around hor.; ∿ and ∿ scattered throughout.	
5	C	∿ along E hor.; ⌒ along W; ∿ and ∿ scattered throughout.	
4	C	⌒ around hor.; ∿ in NE, moving ESE; ∿ and ∿ in E hem.	
3	C	⌒ around hor.; ∿ in SE hem.	
4	C	⌒ along E hor.; ∿ scattered about hor.; thunder in NE heard at 1h. 45m.	
5	B	⌒ along hor.; ∿ about hor., moving E; ∿ scattered about, moving W; thunder in NE at 2h. 50m.	
6	L	⌒ around hor.; ∿ and ∿ scattered about, moving E.	
7	L	⌒ around hor.; ∿ scattered throughout, moving SE; ∿ in W hem.	
7	B	⌒ and ∿ around hor., former moving SE; ∿ scattered throughout.	
*7	B	⌒ along E hor.; ∿, ∿, and ∿ scattered throughout; lightning in NW.	
8	B	∿ about hor., moving SE; ∿ scattered throughout, a lunar-halo; lightning in NNW at intervals of 1m. 33s.	
7	B	Clouded with ∿ and ∿ as before; a lunar-halo; lightning in NE and SW at intervals of about 1½m.	
7	B	∿ around hor.; ∿ scattered throughout, moving SSE; a lunar-halo; lightning in SW hor. at intervals of 7½m.	
7	B	∿ around hor.; ∿ scattered throughout; a lunar-halo.	
6	B	∿ and ∿ scattered about, former moving SE.	
7	C	∿ and ∿ scattered about, former moving WSW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2. Daily fall of rain by Osler's Gauge 0.09; Maximum tension of Electricity by Henly's Apparatus 12; Maximum length of Spark by Ronald's Measure 0.10in.
6	B	∿ and ∿ scattered about; a few ∿ about zth.	
3	B	∿ scattered around hor.; lightning in SW every 2m.	
8	B	Overcast with ∿; lightning in SW; light rain at 3h. 18m. which lasted 3m.	
8	B	Overcast; lightning in SSW.	
8	L	•Overcast with ∿, moving NW.	
8	L	Overcast with ∿ and ∿, former moving NW.	
8	L	Overcast with ∿, ∿, and ∿.	
8	L	⌒ in ESE, SE, and hor.; otherwise clouded with ∿, ∿, and ∿.	
8	C	⌒ from N to SW hor.; ∿ and ∿ scattered throughout; a break in E.	
8	C	" " "	
5	C	⌒ around hor.; ∿ scattered throughout.	
4	C	" "	
4	B	" "	
4	B	⌒ around hor; ∿ scattered about, moving E.	
4	B	⌒ around hor.; ∿ above SE hor.; ∿ scattered about; distant thunder in E.	
6	B	⌒ around hor.; ∿, ∿, and ∿ scattered throughout, the motion of ∿ being W; distant thunder in E.	
8	L	⌒ in hor.; ∿ scattered throughout, moving SW; thunder in N and NE; scattered drops of rain falling.	
8	L	Overcast with ∿, moving S; lightning in NE at intervals of 55m.; raining very lightly.	
8	L	Overcast; lightning in SE and S; thunder in SE; rain ceased at 7h. 22m. but recommenced at 7h. 50m.	
8	L	Overcast with ∿ in two strata, lower stratum moving W; lightning in SE, S, & SW; raining.	
8	C	Overcast; rain ceased at 9h. 13m.; continuous lightning in SE.	
8	C	Overcast with ∿, moving W; lightning in SE at intervals of more than 10m.	
8	C	Overcast; light rain at 11h. which ceased at 11h. 12m.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 19th-Midnight	29.839	28.950	77°6	76°6	1°0	76°3	0.96	78°3	81°0	S E	0.0					
1 a. m.	.839	.969	77.8	76.2	1.6	75.6	.93	78.0	81.0	S b E	0·2					
2 „	.830	.941	77.6	76.6	1.0	76.3	.96	78.0	80.9	SSE	0·2					
3 „	.813	.924	77.6	76.6	1.0	76.3	.96	78.0	80.8	„	0.0					
4 „	.808	.893	77.0	76.4	0.6	76.1	.97	77.6	80.6	„	0.0					
5 „	.814	.930	76.8	76.3	0.5	76.1	.98	77.2	80.6	„	0.0					
6 „	.830	.959	77.0	76.0	1.0	75.6	.96	77.5	80.5	„	0.2					
7 „	.843	.903	79.4	78.4	1.0	78.0	.96	79.4	80.7	ESE	0.1					
8 „	.863	.907	81.4	79.3	2.1	78.5	.91	81.0	81.0	„	0.1					
9 „	.881	.927	81.9	79.4	2.5	78.5	.90	81.2	81.0	„	0·1					
10 „	.880	.904	83.0	80.2	2.8	79.2	.89	82.5	81.3	„	0.0					
11 „	.867	.961	84.8	79.0	5.8	76.8	.78	83.5	81.6	„	0.1					
Noon.	.841	.986	85.3	77.9	7.4	75.0	.72	84.0	81.7	„	0.0	None.	None.	None.	None.	None.
1 p. m.	.816	.872	87.5	80.6	6.9	78.1	.75	86.0	82.0	NW	0.1					
2 „	.792	.877	87.8	80.0	7.8	77.2	.72	86.0	82.4	„	0·2					
3 „	.770	.893	87.8	79.1	8.7	76.2	.70	86.0	82.6	NW b W	0·1					
4 „	.770	.914	87.6	78.8	8.8	75.1	.68	85.5	82.6	„	0·1					
5 „	.780	.920	85.2	78.0	7.2	75.2	.73	84.0	82.7	NW	0·1					
6 „	.791	.905	83.6	78.2	5.4	76.1	.79	83.3	82.6	NW b N	0·2					
7 „	.814	.927	83.1	78.1	5.0	76.2	.80	82.7	82.6	NNW	0·4					
8 „	.839	.959	82.6	77.8	4.8	75.9	.81	82.3	82.5	„	0·1					
9 „	.846	.951	82.0	78.0	4.0	76.5	.84	81.6	82.3	N b W	0·1					
10 „	.835	.979	81.2	76.8	4.4	75.1	.82	81.0	82.2	„	0·2					
11 „	.827	.957	80.6	77.0	3.6	75.6	.85	80.8	82.0	„	0·2					
Oct. 20th-Midnight	·816	.958	80.3	76.6	3.7	75.1	.85	80.0	81.8	N	0.0					
1 a. m.	.788	.976	78.4	74.9	3.5	73.4	.85	78.9	81.6	„	0.0		+	1		Above 10m.
2 „	·778	·923	79.2	76.2	3·0	75.0	.88	79.1	81.6	NNE	0.0		+	4		1.32
3 „	.776	.956	78.8	75.2	3.6	73.7	.85	78.9	81.4	NE b E	0.2					
4 „	.785	.932	78.6	76.0	2.6	75.0	.89	78.8	81.3	„	0.1					
5 „	.793	.947	78.2	75.7	2.5	74.7	.89	78.7	81.2	„	0.1					
6 „	.824	.979	77.8	75.6	2.2	74.7	.91	78.2	81.1	„	0.1					
7 „	·846	.986	79.4	76.4	3.0	75.2	.88	79.5	81.1	„	0.2					
8 „	.872	29.043	81.6	76.2	5.4	74.0	.79	80.9	81.3	„	0.1					
9 „	.882	.074	82.7	76.0	6.7	73.3	.74	81·6	81.4	„	0.1					
10 „	.876	.096	84.2	75.7	8.5	72.3	.68	82.9	81.6	„	0·1					
11 „	.855	.076	85.4	76.0	9.4	72.1	.66	83.9	81.8	„	0·1					
Noon.	.831	·075	86.6	75.8	10.8	71.2	.62	84.8	82.0	„	0.0	None.				
1 p. m.	.812	.129	87.7	74.2	13.5	68.4	.54	86.2	82.2	ENE	0.1					
2 „	·780	.066	88.5	75.2	13.3	69.4	.55	86.4	82.4	„	0·1					
3 „	.765	.085	88.8	74.4	14.4	67.9	.52	86.9	82.6	„	0.1					
4 „	.773	28.962	89.3	77.9	11.4	73.4	.61	86.5	82.9	NW b N	0.2					
5 „	·777	.940	87.0	78.2	8.8	74.4	.68	84.8	83.0	NNW	0.2					
6 „	.788	.935	84.0	77.5	6.5	75.0	.75	83.4	82.8	„	0·2		+	1		Above 10m.
7 „	.804	.968	83.0	76.8	6.2	74.3	.76	82.7	82.7	N b W	0·1		+	3		Above 10m.
8 „	.819	.963	81.9	77.0	4.9	75.1	.81	81.7	82.5	N	0·1		+	22		0.20
9 „	.823	.945	81.4	77.4	4.0	75.9	.84	81.2	82.3	„	0.1		+	Out of Sc.	32	0·10
10 „	.821	.965	79.8	76.4	3.4	75.1	.86	80.0	82.0	NNE	0·2		+	14		0.27
11 „	.812	.941	79.8	76.8	3.0	75.6	.88	79.9	81.9	NE b N	0·0		+	15		0.16
Oct. 21st-Midnight	.801	.993	79.2	75.0	4.2	73.3	.83	79.2	81.6	NE	0.0		+	13		1.00
1 a. m.	.795	29.019	78.6	74.0	4.6	72.0	.81	78.9	81.5	„	0.2		+	8		1.56
2 „	.789	.082	78.2	72.0	6.2	69.1	.75	78.4	81.4	ENE	0.4					
3 „	.796	.111	77.6	71.2	6.4	68.1	.74	77.9	81.2	„	0.5		+	3		
4 „	.807	.153	77.2	70.2	7.0	66.7	.72	77.4	80.9	„	0.5		+	3		
5 „	.814	.188	77.2	69.4	7.8	65.4	.69	77.4	80.7	„	0·4		+	2		
6 „	.845	.210	77.6	69.3	7.8	65.8	.69	77.5	80.6	E b N	0.5		+	3		
7 „	.859	.268	78.6	68.8	9.8	63.7	.62	78.4	80.6	„	0.5	None.	+	3	None.	
8 „	.884	.289	80.0	69.4	10.6	63.9	.60	79.4	80.5	E	0·8		+	3		
9 „	.900	.309	81.6	69.8	11.8	63.7	.56	80.9	80.6	„	0·8		+	2		
10 „	.895	.300	83.4	70.5	12.9	63.9	.53	82.1	80.7	„	1.0		+	2		
11 „	.871	.289	84.6	70.5	14.1	63.2	.51	83.5	81.0	ESE	0.7		+	2		

Not Observed.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ∿≀ nimbi.	
8	C	Overcast with ∿≀, moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2.
8	B	" "	
8	B	" "	
7	B	∿≀ scattered throughout, moving NW.	
4	B	Masses of ∿≀ scattered about, moving N.	
4	L	∿≀ and ∿ scattered about, former moving W.	
6	L	⌣≀ along E & W hor.; ∿ in SE & about zth.; ∿≀ scattered about, moving W.	
3	L	A few masses of ∿≀ in S, moving W; ∿≀ in N; ∿ scattered about.	
3	L	∿≀ in E and SE, moving W; ∿ scattered about.	
4	C	∿≀ and ∿ scattered about, former moving W.	
3	C	∿≀ in E; ∿ scattered about.	
3	C	⌒≀ from N to SE hor.; ∿ scattered about.	
3	C	⌒≀ from N to SE hor.; ∿ and ∿≀ scattered about.	
2	B	⌒≀ from N to SE hor.; ∿ around hor.	
3	B	⌒≀ along E hor.; ∿ and ∿≀ scattered about, former moving W.	
3	B	" " "	
2	B	⌒≀ along E hor.; ∿ and ∿≀ scattered about hor.	
5	L	⌣≀ in SE and S hor.; light ∿ in WSW above hor.; ∿≀ scattered around hor. and in S hem.	
3	L	∿≀ and ∿≀ scattered about; comet visible at 6h. 10m.	
2	L	∿≀ above E, S, and SW hor.; ∿ scattered about hor.; comet visible.	
5	L	∿≀ in SW and about zth., moving SW; ∿ scattered about hor.	
2	C	∿≀ in W hem.; ∿ scattered in E of zth.	
2	C	⌒≀ along W hor. and in N and NE.	
5	C	∿≀ in S hem.; ∿ scattered about; a partial lunar-halo.	
5	C	∿ scattered about; a lunar-halo.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2.
3	B	∿ scattered about; a few patches of ∿≀ above W hor.	
5	B	∿ and ∿≀ scattered about.	
4	B	"	
1	B	A few clouds around hor.; lightning in NNE at intervals of about 3h. 25m.	
1	L	∿≀ around hor.; ∿ scattered about.	
4	L	⌣≀ from N to SW hor.; ∿ scattered about.	
3	L	∿ scattered here and there.	
2	L	"	
1	C	"	
1	C	∿ scattered about hor.; otherwise clear.	
0	C	" "	
0	C	A few ∿ in E hor.	
0	B	A few ∿ here and there observed.	
0	B	Light ∿ in N and SE hor.	
0	B	Light ∿ here and there observed.	
0	B	Light ∿ scattered along E hor.	
0	L	Light ∿ from SE to W hor.	
0	L	Clouded about hor. as before; comet visible at 6h. 2m.	
0	L	A few ∿ in E, otherwise clear; comet visible in SW	
0	L	A few ∿ in E and SW above hor.	
1	L	∿ scattered around hor.	
0	C	A few light ∿ here and there; dew falling.	
0	C	Light ∿ in S hem.; dew falling.	
1	C	Light ∿ scattered here and there; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2.
0	B	A few ∿ scattered here and there.	
0	B	"	
0	B	"	
0	B	"	
0	L	"	
0	L	"	
0	L	A few ∿ around hor.; otherwise clear.	
0	L	A few ∿ scattered here and there.	
0	C	"	
0	C	Clear.	
0	C	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of → Straws of Volta 1.	Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 21st–Noon.	29.849	29.267	86°2	71°0	15°2	63°2	0.48	84°8	81°4	ESE	0.6		+	1		
1 p. m.	.823	.245	86.9	71.1	15.8	63.0	.47	85.4	81.6	„	0.5					
2 „	.806	.207	87.0	71.7	15.3	64.1	.48	85.4	81.8	„	0.5		+	1		
3 „	.798	.231	87.5	71.0	16.5	62.4	.45	85.5	82.0	„	0.1					
4 „	.796	.200	88.2	72.0	16.2	63.9	.46	85.3	82.1	„	0.1					
5 „	.817	.091	86.6	75.0	11.6	69.9	.59	84.4	82.3	NNW	0.3		+	1		
6 „	.829	.048	83.0	75.4	7.6	72.2	.71	82.1	82.1	NW b N	0.3		+	2		
7 „	.851	.051	82.4	75.7	6.7	73.0	.74	81.9	82.0	NNW	0.3		+	4		
8 „	.873	.080	81.6	75.3	6.3	72.7	.75	81.5	81.9	N b W	0.4		+	4		
9 „	.884	.048	80.4	76.0	4.4	74.3	.82	80.2	81.6	N	0·2		+	Out of Sc.	27	
10 „	.883	.174	78.0	72.0	6.0	69.2	.76	77.5	81.3	NNE	0.2		+	Out of Sc.	35	
11 „	.879	.157	76.8	72.0	4.8	69.8	.80	77.4	81.0	„	0.0		+	5	4	
Oct. 22nd–Midnight	.860	.165	75.4	70.8	4.6	68.6	.80	76.2	80.6	NE	0.0		+	12	10	Not Obvd.
1 a. m.	.838	.207	76.2	69.2	7.0	65.6	.71	76.4	80.5	NE b E	0.0		+	12	10	Not Obvd.
2 „	.836	.173	76.4	70.2	6.2	67.2	.74	76.7	80.3	ENE	0.1		+	3		0.29
3 „	.837	.154	75.5	70.5	5.0	68.1	.79	76.0	80.2	„	0.2		+	7	5	3.37
4 „	.837	.151	75.2	70.5	4.7	68.2	.81	75.7	80.0	„	0·1		+	7	5	4.58
5 „	.844	.168	75.2	70.2	5.0	67.8	.79	75.7	79.8	„	0.1		+	10	8	0.30
6 „	.863	.215	74.0	69.0	5.0	66.5	.78	75.0	79.5	„	0.3		+			3.40
7 „	.885	.202	75.8	70.6	5.2	68.1	.78	76.2	79.5	„	0.2		+	4		3.20
8 „	.902	.211	78.0	71.5	6.5	68.4	.74	77.6	79.6	„	0.1		+	2		Above 10m.
9 „	.915	.173	79.7	73.4	6.3	70.6	.75	78.9	79.7	„	0.1		+	3		Above 10m.
10 „	.902	.224	81.9	72.3	9.6	67.8	.64	80·6	80.0	„	0·1		+	2		Above 10m.
11 „	.881	.143	83.5	74.4	9.1	70.5	.66	82.0	80.3	„	0·1		+	1		Above 10m.
Noon.	.851	.998	85.6	70.0	15.6	61.6	.47	84.8	80.6	„	0·1					
1 p. m.	.827	.015	87.0	77.3	9.7	73.4	.65	85.5	81.9	NW	0·2					
2 „	.805	.078	87.3	75.2	12.1	70.0	.58	85.3	81.4	„	0·2					
3 „	.789	.063	87.4	75.2	12.2	69.9	.57	85.6	81.6	„	0.2					
4 „	.789	.007	87.2	76.6	10.6	72.2	.62	87.0	81.9	„	0.3					
5 „	.797	28.990	85.0	76.6	8.4	73.2	.69	83.6	81.9	„	0.4					
6 „	.812	.968	83.0	77.0	6.0	74.6	.77	82.4	81.8	NW b N	0.4					
7 „	.834	.973	82.2	77.2	5.0	75.2	.80	82.0	81.7	„	0.3					
8 „	.845	.964	81.8	77.6	4.2	76.0	.83	81.7	81.7	„	0.2					
9 „	.854	.954	81.5	78.0	3.5	76.6	.86	81.5	81.5	NNW	0.1		+	1		Above 10m.
10 „	.855	.999	80.2	76.5	3.7	75.1	.85	80.4	81.5	„	0.0		+	14	12	0.16
11 „	.845	.971	78.5	76.5	2.0	75.7	.96	79.0	81.2	NNE	0.0		+	20	20	2.05
Oct. 23rd–Midnight	.831	.982	79.0	76.0	3.0	74.8	.88	79.4	81.1	NE	0.0		+	3		2.18
1 a. m.	.815	29.037	77.8	73.8	4.0	72.1	.83	78.8	81.0	„	0.0		+	4		3.37
2 „	.806	.001	77.4	74.4	3.0	73.2	.87	77.8	80.9	„	0.2		+	4		Above 10m.
3 „	.796	28.996	76.8	74.1	2.7	73.0	.89	77.2	80.6	„	0.2		+	4		4.26
4 „	.793	29.023	75.8	73.0	2.8	71.8	.88	76.1	80.4	„	0.0		+	2		Above 10m.
5 „	.797	.119	75.0	70.2	4.8	67.8	.79	76.0	80.2	„	0·1					
6 „	.828	.105	75.4	71.6	3.8	69.8	.84	75.9	80.0	„	0·1		+	1		Above 10m.
7 „	.845	.137	76.8	71.6	5.2	69.2	.78	76.8	80.0	„	0.2		+	1		Above 10m.
8 „	.859	.216	78.2	70.2	8.0	66.2	.68	78.1	80.0	„	0.4		+	1		Above 10m.
9 „	.872	.195	80.9	72.0	8.9	67.8	.66	79.9	80.1	„	0.2					
10 „	.871	.184	85.0	73.5	11.5	68.2	.59	84.5	80.4	NE b E	0.1					
11 „	.853	.104	84.5	75.0	9.6	70.9	.65	83.5	80.7	„	0.1					
Noon.	.826	.095	86.2	75.0	11.2	70.2	.60	84.5	81.0	„	0.1					
1 p. m.	.803	.095	87.2	74.7	12.5	69.2	.56	85.4	81.3	NE	0.1					
2 „	.774	.147	87.7	72.7	15.0	65.4	.49	86.5	81.6	„	0·2					
3 „	.760	28.902	89.2	79.0	10.2	75.1	.65	86.6	81.9	„	0·2					
4 „	.760	.996	87.5	76.5	11.0	71.5	.61	85.2	82.0	NW b W	0·2					
5 „	.770	29.012	85.1	75.4	9.7	71.3	.65	83.4	82.0	„	0·2					
6 „	.778	28.959	82.5	76.2	6.3	73.7	.76	81.9	81.9	NW	0.4					
7 „	.801	.972	81.6	76.2	5.4	74.1	.79	81.2	81.7	„	0·2		+	1		Above 10m.
8 „	.823	.966	81.1	76.8	4.3	75.1	.82	81.0	81.6	„	0.2		+	3		Above 10m.
9 „	.825	.954	79.8	76.8	3.0	75.6	.88	80.0	81.5	„	0.1					
10 „	.828	.985	78.8	75.8	3.0	74.5	.88	79.0	81.3	„	0.2		+	16	13	0.33
11 „	.818	.984	77.8	75.3	2.5	74.3	.89	78.0	81.2	„	0.1		+	10	8	0.16

Not Observed.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
0	C	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	L	"	
0	L	Cloudless; a comet visible in SW at 6h.	
0	L	Cloudless; comet visible in SW.	
0	L	Cloudless; comet went below hor. between 8h. and 8h. 15m.	
0	C	Clear.	
0	C	"	
0	C	Clear; dew falling.	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	⌐ scattered about E, SE, and NE hor.	
0	L	"	
0	L	⌐ scattered in NE and in hor. from E to S.	
0	L	A few ⌐ in E and S.	
0	C	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	B	A few ⌐ in NE, E, and SW.	
0	B	A few ⌐ in ENE and NW hor.	
0	B	"	
0	B	"	
0	L	Cloudless; comet visible at 5h. 58m.	
0	L	Cloudless; comet visible in SW.	
0	L	" "	
0	L	Cloudless; comet went below hor. between 8h. and 8h. 15m.	
0	C	Cloudless.	
0	C	A few ⌐ in E hor.; dew falling.	
0	C		
0	C	A few ⌐ in hor. from NE to SSE; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 82°0 and 83°2.
0	B	A few ⌐ above E hor., otherwise clear; dew falling.	
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	L	A few pieces of clouds in E hor., otherwise clear.	
0	L	A few pieces of clouds in E hor.; mist along W hor., haze in E hor.	
0	L	" " "	
0	L	" " "	
0	C	" " "	
0	C	A few ⌐ in hor. from E to W; mist along W hor., haze along E.	
0	C	A few ⌐ in hor. from E to W; light mist along W hor.	
0	C	A few ⌐ from E to W hor.; otherwise clear.	
0	C	Light ⌐ in hor. from NE to W.	
0	B	A few ⌐ in hor. from NE to SW.	
0	B	" "	
0	B	A few ⌐ in hor. from NE to SW and a few about zth.	
0	B	A few ⌐ about hor. from N to SW; comet visible at 5h. 57m.	
0	B	⌐ around hor., except in NW.	
0	B	⌐ scattered here and there.	
0	B	A few ⌐ along E hor.; comet disappeared at 8h. 8m.	
0	B	A few ⌐ in hor. from NE to SW, otherwise clear; dew falling.	
0	B	A few ⌐ in E; dew falling.	
0	B	A few ⌐ in hor. from E to W; dew falling.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 25th-Midnight	29.794	29.022	75·6	73·0	2·6	71·8	0.89	76·0	80·2	NW	0.0					
1 a. m.	.779	28·983	76.8	74.0	2.8	72.8	.88	77.0	80.3	„	0·0		+	3		3.16
2 „	.773	.974	76.6	74.0	2.6	73.0	.89	77.0	80.3	N b E	0.2					
3 „	.779	.974	76.0	74.0	2.0	73.2	.91	76.6	80.2	NNE	0.2					
4 „	.785	29.008	75.2	73.0	2.2	72.0	.91	75.8	79.8	NE	0·2					
5 „	.799	.108	74.4	70.4	4.0	68.4	.83	74.8	79.6	„	0·0					
6 „	.839	.119	74.4	71.2	3.2	69.7	.86	75.0	79.5	„	0.2					
7 „	.854	.108	75.7	72.3	3.4	70.8	.85	76.3	79.4	„	0·2					
8 „	.881	.145	77.6	72.6	5.0	70.4	.79	77.5	79.5	„	0.1					
9 „	.892	.207	79.2	71.7	7.5	68.1	.70	78.8	79.5	„	0.1					
10 „	.883	.243	81.0	71.0	10.0	66.1	.62	79.9	79.8	„	0·1					
11 „	.861	.198	82.2	72.0	10.2	67.2	.62	81.0	80.0	„	0·1	None.			None.	
Noon.	.827	.216	83.5	71.0	12.5	64.7	.55	81.6	80.2	„	0.1					
1 p. m.	.801	.131	84.8	73.0	11.8	65.7	.58	82.8	80.5	„	0·1					
2 „	.778	.085	86.2	74.0	12.2	68.5	.57	84.0	80.7	„	0·1					
3 „	.767	.047	86.8	74.9	11.9	69.7	.58	84.3	81.0	NW b W	0.1					
4 „	.766	.006	87.1	76.0	11.1	71.4	.61	84.7	81.2	„	0·1					
5 „	.772	.024	84.6	75.0	9.6	70.9	.65	83.1	81.3	NW b N	0.6					
6 „	.773	.079	81.4	72.6	8.8	68.6	.66	80.9	81.1	„	1.0					
7 „	.792	.063	80.2	73.2	7.0	70.1	.72	80.2	80.9	NNW	0.3		+	1		Above 10m.
8 „	.815	.144	78.2	71.0	7.2	67.5	.71	78.2	80.7	N b W	0.2					
9 „	.831	.169	77.0	70.4	6.6	67.1	.73	76.7	80.3	„	0.1		+	1		Above 10m.
10 „	.836	.172	75.6	70.0	5.6	67.2	.77	76.4	80.0	N	0.1		+	1		Above 10m.
11 „	.834	.210	74·7	68.5	6.2	65.3	.74	75.3	79.6	N b E	0·0		+	1		Above 10m.
Oct. 26th-Midnight	.829	.143	74.4	70.3	4.1	68.2	.82	75.0	79.4	N b E	0.0		+	2		Above 10m.
1 a. m.	.815	.106	74.7	71.0	3.7	69.2	.84	75.5	79.4	„	0.0		+	4		1.03
2 „	.812	.101	74.9	71.1	3.8	69.3	.84	75.5	79.2	NNE	0.1		+	4		1.30
3 „	.814	.101	75.0	71.2	3.8	69.4	.84	75.6	79.0	NE b N	0.0		+	2		1.40
4 „	.821	.137	74.5	70.2	4.3	68.1	.81	74.9	78.9	„	0.0					
5 „	.831	.187	73.8	68.8	5.0	66.3	.78	74.5	78.8	NE	0.0					
6 „	.866	.206	73.6	69.2	4.4	67.0	.81	74.4	78·7	ENE	0.4		+	2		Above 10m.
7 „	.886	.176	74.6	71.0	3.6	69.3	.84	74.7	78.5	„	0.2					
8 „	.908	.199	76.0	71.4	4.6	69.2	.81	75.9	78.5	„	0.3		+	3		1.10
9 „	.935	.196	78.6	73.0	5.6	70.5	.77	77.7	78.8	„	0.0		+	4		Above 10m.
10 „	.931	.181	81.0	74.0	7.0	71.0	.73	79.9	79.1	„	0.0		+	7		Above 10m.
11 „	.911	.231	81.9	72.4	9.5	67.9	.64	80.4	79.5	„	0·0					
Noon.	.884	.159	83.3	74.0	9.3	69.9	.65	81.5	79.6	„	0.0	None.				
1 p. m.	.864	.126	84.9	74.8	10.1	70.5	.63	83.1	80.0	„	0.1					
2 „	.849	.150	85.6	74.0	11.6	68.8	.58	83.9	80.3	NW	0.1					
3 „	.838	.118	86.5	74.8	11.7	69.7	.59	84.6	80.7	„	0.1					
4 „	.836	.114	86.3	74.8	11.5	69.8	.59	83.9	80.8	„	0.1					
5 „	.851	.049	84.0	76.2	7.8	73.0	.71	82.3	80.8	„	0.2					
6 „	.864	.065	81.4	75.4	6.0	72.9	.76	80.5	80.7	NW	0.3					
7 „	.886	.106	80.0	74.5	5.5	72.2	.78	80.2	80.6	NW b N	0.1					
8 „	.897	.120	79.2	74.2	5.0	72·0	.80	79.5	80.5	„	0.1					
9 „	.916	.133	78.0	74.0	4.0	72.3	.83	78.0	80.2	„	0.0		+	Out of Sc.	30	0.53
10 „	.913	.151	76.5	73.0	3.5	71.4	.85	77.0	79.9	„	0.0					
11 „	.912	.177	75.6	72.0	3.6	70.3	.85	76.5	79.7	„	0·0					
Oct. 27th-Midnight	.900	.102	76.6	74.0	2.6	72.9	.89	76.8	79.5	N	0·0		+	2		0.50
1 a. m.	.883	.101	74.7	73.0	1.7	72.2	.93	74.9	79.5	„	0.0					
2 „	.880	.183	73.6	70.3	3.3	68.7	.86	74.6	79.2	„	0.0					
3 „	.889	.168	73.6	71.0	2.6	69.7	.89	74.0	79.0	„	0.0		+	1		Above 10m.
4 „	.894	.164	73.8	71.3	2.5	70.1	.89	74.6	78.7	„	0·1					
5 „	.906	.201	74.4	70.8	3.6	69.0	.84	74.8	78.7	NE b N	0.1	None.			None.	
6 „	.940	.188	73.4	71.8	1.6	71.0	.93	74.0	78.5	ENE	0.2					
7 „	.960	.215	75.4	72.2	3.2	70.7	.86	75.6	78.5	„	0.1					
8 „	.976	.261	76.8	71.8	5.0	69.5	.79	76.8	78.7	„	0·1		+	1		Above 10m.
9 „	.990	.241	78.4	73.2	5.2	70.9	.79	77.9	78.9	„	0.1		+	1		Above 10m.
10 „	.988	.265	80.1	73.0	7.1	69.8	.72	79.3	79.0	„	0.0		+	3		Above 10m.
11 „	.966	.314	81.6	71.5	10.1	66.6	.62	80.6	79.3	„	0.0		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩⌒ cumulo-strati; and ≀⌒ nimbi.	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°9 and 83°2. The Temperature of Evaporation at 11 P. M. was lowest, and about 6°1 lower than the Normal Mean for that hour.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	" "	
0	L	A few ≀ in E hor.; mist and haze in hor.	
0	L	" "	
0	L	Haze around hor.	
0	C	A few ≀ from SE to WSW hor.; mist and haze in hor.	
0	C	" "	
0	C	A few ≀ in S, SW, and W hor.	
0	C	"	
0	B	"	
0	B	"	
0	B	Haze along E hor.	
0	B	"	
0	L	Haze along E hor.; comet visible at 5h. 58m.	
0	L	Clear; comet visible in SW.	
0	L	" "	
0	L	Clear; comet disappeared at 8h. 15m.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	Cloudless.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°8 and 83°2.
0	B	Clear; dew falling.	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	A few ≀ in E hor.	
1	L	≀ scattered from NE to S hor.; light mist along W hor.	
0	L	A few ≀ in NE and E above hor.; mist and haze in hor.	
0	L	" "	
0	C	A few ≀ in hor. from N to S; mist and haze in hor.	
1	C	≀ along E hor.; ≀≀ scattered about; mist and haze in hor.	
1	C	≀≀ in N, NE, and W; ≀ scattered throughout.	
1	C	A few patches of ≀≀ in N; ≀ scattered about.	
0	B	A few ≀ in hor., except in NW.	
0	B	" "	
0	B	" "	
0	B	" "	
3	L	≀ scattered about hor.; comet visible at 5h. 57m.	
3	L	≀ scattered about hor.; comet visible in SW.	
0	L	Clear, except in hor.; comet visible in SW.	
0	L	Clear; comet disappered between 8h. and 8h. 15m.	
0	C	A few ≀ in E, otherwise clear; dew falling.	
2	C	≀ scattered about; dew falling.	
2	C	" "	
3	C	Light ≀ scattered about; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°6 and 83°2.
4	B	" "	
3	B	" "	
2	B	≀ scattered about hor.; dew falling.	
2	B	Light ≀ scattered about; dew falling.	
0	L	A few ≀ above E and SW hor.; dew falling.	
0	L	A few ≀ in E and SE hor.; mist along W hor.	
0	L	" "	
0	L	A few ≀ in E; otherwise clear.	
0	C	Haze around hor.	
0	C	"	
0	C	Clear.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 0 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.	°	°	°	°		°	°		lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 27th–Noon.	29.937	29.303	82°8	71°4	11°4	65°8	0.58	81°6	79°6	ENE	0.0		+	4		Above 10m.
1 p. m.	.907	.169	82.9	74.8	10.1	70.5	.63	83.0	79.8	NW	0.1		+	2		3.00
2 „	.879	.143	85.7	75.0	10.7	70.4	.62	83.6	80.2	„	0·2		+	2		Above 10m.
3 „	.865	.060	86.2	76.9	9.3	73.2	.66	83.9	80.5	„	0.2		+	1		Above 10m.
4 „	.872	.115	86.0	75.6	10.4	71.2	.63	83.8	80.7	„	0.2					
5 „	.882	.132	83.8	74.8	9.0	71.0	.66	82.0	80.8	„	0.2	None.				
6 „	.886	.131	81.2	74.2	7.0	71.2	.73	80.9	80.6	„	0.2					
7 „	.911	.134	80.6	74.6	6.0	72.0	.76	80.3	80.6	„	0.2		+	2		Above 10m.
8 „	.932	.140	80.0	74.8	5.2	72.7	.79	79.9	80.5	„	0.1		+	2		Above 10m.
9 „	.938	.128	79.0	75.0	4.0	73.3	.84	78.3	80.2	NNW	0.0		+	22	20	1.05
10 „	.932	.167	76.3	73.0	3.3	71.6	.86	76.7	80.0	„	0.0		+	Out of Sc.	25	0.26
11 „	.923	.155	76.0	73.0	3.0	71.7	.87	76.2	79.6	„	0.0					
Oct. 28th–Midnight	.913	.138	75.4	73.0	2.4	72.0	.90	76.0	79.5	NNW	0.0		+	2		Above 10m.
1 a. m.	.897	.151	75.0	72.1	2.9	70.8	.87	75.8	79.4	„	0.0					
2 „	.893	.188	73.8	70.6	3.2	69.0	.86	75.2	79.1	N	0.0					
3 „	.890	.159	73.4	71.2	2.2	70.2	.91	74.6	78.9	„	0.1					
4 „	.892	.198	72.6	70.0	2.6	68.6	.88	73.6	78.5	„	0.1					
5 „	.914	.161	74.0	72.0	2.0	71.1	.91	74.5	78.5	NE	0.1					
6 „	.941	.223	73.0	70.7	2.3	69.6	.90	73.6	78.5	ENE	0.2					
7 „	.974	.225	75.0	72.2	2.8	70.9	.88	75.1	78.5	„	0.1		+	3		0.25
8 „	.990	.284	77.0	71.6	5.4	69.1	.78	76.6	78.6	„	0.2		+	2		Above 10m.
9 „	30.007	.299	79.1	72.3	6.8	69.2	.73	78.4	78.7	„	0.2		+	1		3.14
10 „	.001	.247	80.6	74.0	6.6	71.1	.74	79.7	79.0	„	0.2	None.	+	3		1.38
11 „	29.976	.235	81.8	74.0	7.8	70.6	.70	80.7	79.3	„	0.1					
Noon.	.938	.257	83.8	73.0	10.8	68.0	.61	82.1	79.6	„	0.0					
1 p. m.	.900	.176	86.6	75.2	11.4	69.9	.60	84.2	80.0	„	0.1					
2 „	.880	.154	87.4	75.2	12.2	69.9	.57	84.8	80.3	„	0.1		+	5		Above 10m.
3 „	.869	.113	88.2	76.2	12.0	71.2	.58	85.2	80.8	W b S	0·1		+	1		Above 10m.
4 „	.869	.158	87.3	74.8	12.5	69.3	.56	85.0	81.0	WNW	0.4					
5 „	.876	.097	84.0	75.6	8.4	72.1	.69	82.8	81.0	NNW	0.8					
6 „	.893	.189	81.2	72.8	8.4	69.0	.68	81.1	80.8	„	0.4					
7 „	.912	.161	80.9	74.0	6.9	71.0	.73	80.7	80.7	„	0.2		+	1		Above 10m.
8 „	.926	.186	79.6	73.3	6.3	70.5	.75	79.8	80.6	„	0.1		+	Out of Sc.	30	0.15
9 „	.934	.147	77.6	74.0	3.6	72.5	.85	78.0	80.2	N b W	0.1		+	Out of Sc.	38	0.23
10 „	.924	.246	76.1	70.6	5.5	67.8	.77	76.6	80.0	„	0.0		+	Out of Sc.	30	0.36
11 „	.919	.166	77.4	73.0	4.4	71.1	.82	77.8	79.9	„	0.0		+	7		0.17
Oct. 29th–Midnight	.913	.206	76.6	71.5	5.1	69.1	.79	77.0	79.7	N b W	0.0		+	1		Above 10m.
1 a. m.	.902	.191	75.2	71.2	4.0	69.3	.82	75.8	79.5	„	0.0		+	2		Above 10m.
2 „	.900	.176	75.7	71.7	4.0	69.9	.83	76.0	79.4	NE	0.1		+	2		Above 10m.
3 „	.903	.206	74.5	70.6	3.9	68.7	.83	75.0	79.0	„	0.0		+	5		5.37
4 „	.904	.215	73.4	70.0	3.4	68.3	.85	74.3	78.8	„	0·0		+	2		Above 10m.
5 „	.903	.194	73.4	70.6	2.8	69.2	.88	74.4	78.6	„	0·0		+	1		Above 10m.
6 „	.940	.225	74.4	71.0	3.4	69.5	.86	74.4°	78.6	ENE	0.0		+	10	10	0.50
7 „	.964	.206	75.6	72.6	3.0	71.3	.87	75.8	78.6	„	0.2		+	1		Above 10m.
8 „	.982	.234	77.8	73.0	4.8	70.9	.80	77.3	78.8	„	0.2		+	1		Above 10m.
9 „	30.009	.245	79.7	74.0	5.7	71.5	.77	78.8	79.0	„	0·2		+	2		Above 10m.
10 „	29.987	.226	81.4	74.4	7.0	71.4	.73	80.6	79.3	„	0.0					
11 „	.972	.310	83.6	72.4	11.2	67.1	.59	82.7	79.6	NE b E	0.1					
Noon.	.941	.224	85.4	74.4	11.0	69.6	.60	83.7	80.1	NW	0.1					
1 p. m.	.964	.227	87.2	74.1	13.1	68.2	.55	85.1	80.5	„	0.2	None.				
2 „	.889	.154	87.2	75.4	11.8	70.3	.59	85.4	80.8	„	0.3					
3 „	.877	.101	87.4	76.5	10.9	72.0	.52	85.2	81.1	„	0.3					
4 „	.880	.028	87.4	78.4	9.0	74.9	.68	85.1	81.4	„	0.2					
5 „	.890	.109	85.2	76 0	9.2	72.2	.66	83.8	81.5	„	0.5					
6 „	.903	.103	83.1	75.9	7.2	73.0	.73	82.7	81.3	NNW	0.3					
7 „	.919	.094	82.6	76.4	6.2	73.9	.76	82.2	81.3	„	0.2		+	2		2.30
8 „	.934	.135	81.4	75.4	6.0	73.0	.76	81.2	81.2	N b W	0.1		+	1		3.00
9 „	.951	.163	80.0	74.7	5.3	72.5	.79	80.1	81.0	„	0.1		+	2		0.14
10 „	.947	.221	78.4	72.6	5.8	69.9	.76	78.4	80.7	NNE	0.1		+			
11 „	.945	.212	77.5	72.5	5.0	70.2	.79	77.6	80.5	„	0.0		+	7	7	0.54

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are : ⌇ cirri ; ⌇⌇ cirro-cumuli ; ⌒ cumuli ; ⌒⌇ cirro-strati ; ⌒⌒ cumulo-strati ; and ⌇⌒ nimbi.	
0	C	Clear.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	L	"	
0	L	Clear; comet visible at 6h. 5m.	
0	L	Clear; comet visible in SW.	
0	L	Clear; comet went below hor. between 8h. and 8h. 15m.	
0	C	Cloudless.	
0	C	Clear; dew falling.	
0	C	" "	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°4 and 88°2. The Reading of Air Thermometer at 4 A. M. was lowest in the month, and about 3°3 lower than the Normal Mean.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	L	"	
0	L	Mist and haze in hor.; otherwise clear.	
0	L	" "	
0	L	" "	
0	C	Light haze around hor.	
0	C	"	
0	C	"	
0	C	Clear.	
0	B	Two pieces of clouds in SE.	
0	B	Clear.	
0	B	A few ⌇ in W above hor.	
0	B	Clear.	
0	L	"	
0	L	Clear; comet observed at 6h. 8m.	
0	L	Clear; comet visible in SW.	
0	L	Clear; comet went below hor. between 8h. and 8h. 15m.	
0	C	Clear.	
0	C	"	
0	C	Clear; dew falling.	
0	C	Clear; dew falling	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°2 and 83°1.
0	K	" "	
0	K	" "	
0	K	" "	
0	K	" "	
0	L	"	
0	L	⌒ from N to W hor.; haze in hor.	
0	L	⌒⌇ in W, NW, and N above hor.; haze around hor.	
0	L	A few ⌇ above NW hor.; haze in hor.	
0	C	Mist and haze in hor.	
0	C	"	
0	C	Clear.	
0	C	A few ⌇ in N, NE, and E hor.	
0	K	Fragments of clouds along E hor.	
0	K	"	
0	K	"	
0	K	A few pieces of clouds from E to W hor.	
0	L	Pieces of ⌇⌇ scattered about W hem.	
0	B	Pieces of ⌇⌇ around hor.; comet visible at 6h. 15m.	
0	L	Pieces of ⌇⌇ around hor.; comet visible in SW.	
0	L	Clear, except in hor.; comet went below hor. between 8h. and 8h. 15m.	
0	C	Clear.	
0	C	"	
0	C	Clear; dew falling.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 30th-Midnight	29.940	29.166	76·8	73·4	3·4	71·9	0.86	77·0	80·2	NNE	0.1					
1 a. m.	.934	.250	76·7	70.9	5.8	68.1	.76	77.0	80.1	„	0.0					
2 „	.926	.233	76·8	71.2	5.6	68.5	.77	77.0	80.0	NE b E	0.1					
3 „	.932	.208	75.7	71.7	4.0	69.9	.83	76.2	79.8	„	0.0					
4 „	.945	.229	75.4	71.4	4.0	69.5	.83	76.1	79.5	„	0.0					
5 „	.961	.253	75.8	71.3	4.5	69.2	.81	76.3	79.5	„	0.0		+	6	6	1.30
6 „	.989	.343	73.0	68.6	4.4	66.4	.81	74.2	79.2	„	0.0					
7 „	30.008	.303	75.6	71.2	4.4	69.0	.81	76.1	79.0	„	0.2					
8 „	.035	.393	78.3	70.2	8.1	66.2	.68	78.1	79.2	ENE	0.1					
9 „	.051	.327	80.0	73.0	7.0	69.9	.72	79.0	79.3	„	0.1					
10 „	.044	.416	82.0	71.0	11.0	65.5	.59	80.8	79.6	„	0.1					
11 „	.018	.465	83.2	69.2	14.0	61.6	.50	82.8	79.8	„	0.0					
Noon.	29.985	.374	85.2	71.5	13.7	64.7	.52	83.1	80.1	„	0.0	None.				
1 p. m.	.958	.300	86.6	73.2	13.4	66.9	.54	84.9	80.5	NW	0.1					
2 „	.937	.256	87.3	74.0	13.3	68.0	.54	85.0	80.9	NW b N	0.3					
3 „	.927	.164	87.6	76.2	11.4	71.3	.60	85.1	81.2	„	0.2					
4 „	.927	.206	87.1	75.0	12.1	68.7	.58	85.0	81.3	„	0.2					
5 „	.935	.191	85.0	75.0	10.0	70.7	.64	83.5	81.4	„	0.5					
6 „	.945	.168	82.7	75.8	7.5	72.0	.71	82.0	81.1	NNW	0.4					
7 „	.966	.216	81.4	74.1	7.3	71.0	.72	81.1	81.0	„	0.4					
8 „	.982	.212	81.2	74.6	6.6	71.8	.74	80.9	80.9	„	0.3					
9 „	.986	.164	80.7	75.8	4.9	73.8	.81	80.4	80.9	„	0.2					
10 „	.990	.196	78.4	74.4	4.0	72.8	.83	78.4	80.6	„	0.1		+	6	5	0.25
11 „	.981	.212	77.2	73.4	3.8	71.7	.84	77.9	80.5	„	0.1		+	2		2.08
Nov. 3rd-Midnight	.934	.312	76·4	69.0	7.4	65.2	.70	76.9	80.0	N	0.0					
1 a. m.	.930	.350	75.4	67.4	8.0	63.1	.67	75.5	79.5	„	0.0					
2 „	.916	.241	76.2	70.5	5.7	67.7	.76	76.4	79.4	NNE	0.0					
3 „	.913	.249	75.6	70.0	5.6	67.2	.77	75.9	79.1	NE b N	0.0					
4 „	.917	.282	75.2	69.0	6.2	65.8	.74	75.3	79.0	„	0.1					
5 „	.930	.252	74.6	70.1	4.5	67.8	.81	75.1	79.0	„	0.1					
6 „	.957	.315	74.3	68.9	5.4	66.2	.77	75.0	78.8	NE	0.1					
7 „	.977	.334	76.0	69.5	6.5	66.2	.73	76.0	78.8	„	0.2					
8 „	30.002	.321	78.3	71.3	7.0	68.0	.72	77.7	78.9	„	0.2					
9 „	.013	.355	80.0	71.2	8.8	66.9	.66	79.0	79.1	ENE	0.3					
10 „	.004	.354	81.9	71.6	10.3	66.6	.61	80.9	79.3	„	0·1					
11 „	29.981	.368	83.4	71.0	12.4	64.8	.55	82.2	79.7	„	0.1	None.			None.	
Noon.	.951	.371	86.4	71.0	15.4	63.1	.47	85.0	80.2	„	0.1					
1 p. m.	.929	.420	87.8	69.4	18.4	59.2	.40	85.9	80.5	NE	0.1					
2 „	.912	.225	88.8	74.6	14.2	68.2	.52	86.7	80.8	„	0.1					
3 „	.906	.167	87.6	75.6	12.0	70.5	.58	85.3	81.0	NW	0.1					
4 „	.903	.103	87.0	77.0	10.0	73.0	.64	84.7	81.2	„	0.2					
5 „	.906	.109	84.1	76.1	8.0	72.9	.70	82.2	81.2	„	0.2					
6 „	.916	.083	81.5	76.0	5.5	74.2	.78	81.3	80.9	„	0.1					
7 „	.936	.135	80.6	75.2	5.4	73.0	.78	80.6	80.9	NW b N	0.1					
8 „	.949	.133	80.2	75.5	4.7	73.6	.81	80.2	80.8	„	0.1					
9 „	.947	.113	79.6	75.8	3.8	74.3	.84	80.0	80.7	NW	0.0					
10 „	.955	.188	77.4	73.4	4.0	71.6	.83	78.3	80.6	NNW	0·0		+	2		0.08
11 „	.948	.143	76.0	74.0	2.0	73.2	.91	77.0	80.2	„	0.1		+	2		0.05
Nov. 4th-Midnight	.937	.165	76.2	70.4	5.8	67.6	.76	77.0	80.1	NNE	0.1					
1 a. m.	.930	.235	75.7	70.9	4.8	68.6	.80	76.0	79.6	„	0.1					
2 „	.923	.224	75.6	71.0	4.6	68.8	.81	75.8	79.4	NE b N	0.1					
3 „	.919	.246	74.8	70.0	4.8	69.6	.80	75.0	79.1	„	0.1					
4 „	.920	.291	73.6	68.6	5.0	65.5	.78	74.1	79.0	NE	0.2					
5 „	.939	.343	73.3	67.2	6.1	63.9	.74	74.0	78.5	„	0.1					
6 „	.950	.368	73.4	66.8	6.6	63.2	.72	74.0	78.5	„	0.1	None.	None.	None.	None.	None.
7 „	.979	.408	75.0	67.0	8.0	62.6	.67	75.1	78.5	NE b E	0.2					
8 „	30.008	.384	77.4	69.4	8.0	65.3	.68	77.0	78.5	„	0.2					
9 „	.027	.394	79.8	70.4	9.4	65.7	.64	78.6	78.8	„	0.1					
10 „	.014	.383	81.2	70.8	10.4	65.6	.61	80.2	79.2	„	0.2					
11 „	29.990	.380	83.6	71.0	12.6	646.	.54	82.0	79.5	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌒∿ cirro-strati; ⌒⌒ cumulo-strati; and ∿∿ nimbi.	
0	C	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°2 and 83°1. At 9 A. M. the reading of Barometer was highest in the month, and about 0.172in. higher than the Normal Mean for that hour.
0	K	" "	
0	K	" "	
0	K	" "	
0	K	" "	
0	L	" "	
0	L	A few ∿ in E and SE hor.; haze around hor.	
0	L	A few ∿ in SE hor.; haze around hor.	
0	L	A few ∿ in E and SE hor.; haze around hor.	
0	C	∿ along E hor.; mist and fog in hor.	
0	C	" " "	
0	C	A few ∿ along E hor.	
0	C	"	
0	K	"	
0	K	"	
0	K	Clear.	
0	B	"	
0	C	"	
0	C	Clear; comet visible in SW after 6h. 18m.	
0	C	Clear; a comet visible in SW.	
0	C	Clear; comet went below hor. between 8h. and 8h. 15m.	
0	C	Clear.	
0	C	Clear; dew falling.	
0	C	" "	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0. The Temperature of Air at 2 P. M. was greatest, being about 2.4 greater than the Normal Mean.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	A few ∿ in E and SE hor.; mist along W hor.	
0	K	" "	
0	K	" "	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	Clear; a comet dimly visible in SSW after 6h. 20m.	
0	K	Clear; comet dimly visible in SSW.	
0	K	Clear; comet was obscured by haze along W hor.	
0	L	Clear.	
0	L	"	
0	L	Clear; dew falling.	
0	L	Clear; dew falling copiously.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0. This is the first cloudless day during this month.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 4th-Noon.	29.970	29.354	85°8	71°8	14°0	64°9	0.51	83°7	79°9	NE b E	0.2					
1 p. m.	.937	.217	86.8	74.9	11.9	69.7	.58	84.0	80.2	NNW	0.1					
2 „	.919	.204	86.6	74.7	11.9	69.5	.58	84.1	80.5	NW	0.2					
3 „	.907	.139	86.7	76.1	10.6	71.7	.62	84.7	80.7	„	0.2					
4 „	.901	.157	86.4	75.4	11.0	70.7	.61	83.9	80.9	„	0.2					
5 „	.910	.141	83.3	75.0	8.3	71.7	.69	82.0	80.9	„	0.2					
6 „	.918	.103	81.1	75.7	5.4	73.5	.79	81.0	80.8	„	0.2	None.	None.	None.	None.	None.
7 „	.937	.138	80.0	75.0	5.0	73.0	.79	80.1	80.6	„	0.2					
8 „	.958	.154	79.5	75.0	4.5	73.1	.82	79.5	80.5	NNW	0.1					
9 „	.963	.228	78.6	72.9	5.7	70.3	.77	78.9	80.4	„	0.2					
10 „	.963	.263	77.2	71.5	5.7	68.8	.76	77.3	80.2	N b W.	0.2					
11 „	.948	.283	75.5	70.0	5.5	67.2	.77	75.5	79.8	„	0.1					
Nov. 5th-Midnight	.942	.248	74.5	70.5	4.0	68.6	.83	74.9	79.5	N b W	0.1					
1 a. m.	.936	.327	75.8	68.4	7.4	65.1	.70	76.0	79.3	NE	0.3					
2 „	.933	.271	75.8	70.0	5.8	67.1	.77	75.9	79.0	„	0.1					
3 „	.933	.329	75.0	68.0	7.0	64.3	.71	75.3	78.9	NE b E	0.3					
4 „	.943	.339	73.8	67.6	6.2	64.3	.74	74.8	78.6	„	0.1					
5 „	.959	.284	74.0	69.8	4.2	67.7	.82	74.4	78.4	„	0.2					
6 „	.983	.346	73.2	68.4	4.8	65.9	.79	73.7	78.4	„	0.3					
7 „	30.000	.372	74.3	68.5	5.8	66.0	.75	74.9	78.3	„	0.2					
8 „	.024	.444	76.8	67.8	9.0	63.1	.64	76.4	78.4	ENE	0.3					
9 „	.045	.385	79.2	71.0	8.2	67.0	.68	78.2	78.5	„	0.3					
10 „	.033	.350	81.4	72.3	9.1	68.1	.65	80.0	78.9	„	0.0	None.	None.	None.	None.	None.
11 „	.008	.301	83.6	73.6	10.0	69.1	.63	82.4	79.3	„	0.0					
Noon.	29.985	.390	85.0	71.0	14.0	63.9	.51	83.6	79.7	„	0.0					
1 p. m.	.954	.393	87.4	70.8	16.6	62.1	.45	86.0	80.3	NE b N	0.1					
2 „	.937	.154	88.5	77.0	11.5	72.3	.60	85.6	80.6	NW	0.1					
3 „	.922	.170	87.1	75.8	11.3	71.0	.60	84.9	80.7	„	0.1					
4 „	.925	.159	85.8	75.8	10.0	71.6	.64	83.7	80.9	„	0.2					
5 „	.931	.178	82.8	74.6	8.2	71.1	.69	81.6	80.9	„	0.2					
6 „	.945	.192	80.7	74.0	6.7	71.1	.74	80.4	80.5	NW b N	0.1					
7 „	.966	.203	79.8	74.0	5.8	71.5	.77	79.8	80.3	„	0.3					
8 „	.978	.201	79.2	74.2	5.0	72.0	.80	79.5	80.3	„	0.2					
9 „	.989	.259	77.8	72.5	5.3	70.1	.79	78.0	80.0	NNW	0.0					
10 „	.987	.309	76.2	70.6	5.6	67.8	.77	76.9	79.7	„	0.0					
11 „	.977	.306	75.0	70.0	5.0	67.5	.79	76.2	79.5	„	0.0					
Nov. 8th-Midnight	.900	.121	75.4	73.4	2.0	72.1	.91	76.0	79.8	ENE	0.0					
1 a. m.	.890	.088	75.2	73.7	1.5	73.0	.93	75.7	79.5	„	0.0		+	2		0.10
2 „	.881	.082	75.2	73.6	1.6	73.0	.93	75.9	79.2	„	0.0					
3 „	.875	.063	75.4	74.0	1.4	73.4	.94	76.0	79.2	„	0.0					
4 „	.875	.052	75.8	74.4	1.4	73.8	.94	76.3	79.1	„	0.0					
5 „	.890	.081	75.0	73.8	1.2	73.3	.95	76.0	79.2	„	0.0					
6 „	.913	.117	74.8	73.4	1.4	72.8	.94	75.3	79.2	„	0.1					
7 „	.925	.166	76.2	72.8	3.4	71.3	.85	76.5	79.1	„	0.1					
8 „	.945	.178	78.4	73.7	4.7	71.6	.80	78.0	79.3	„	0.2					
9 „	.950	.201	80.4	73.8	6.6	70.9	.74	79.5	79.5	„	0.3					
10 „	.946	.223	81.8	73.5	8.3	69.8	.68	80.8	79.8	„	0.2					
11 „	.930	.338	84.0	70.6	13.4	63.7	.52	82.9	80.0	„	0.2					
Noon.	.902	.150	86.4	75.6	10.8	71.0	.62	84.7	80.5	NE	0.1	None.			None.	
1 p. m.	.879	.135	86.4	75.4	11.0	70.6	.61	84.6	80.6	NW	0.1					
2 „	.869	.177	86.9	74.2	12.7	68.5	.56	84.7	80.9	NW b W	0.1					
3 „	.865	.100	87.4	76.2	11.2	71.6	.60	85.0	81.2	„	0.1					
4 „	.867	.104	86.8	76.0	10.8	71.5	.62	84.3	81.3	„	0.1					
5 „	.880	.122	84.1	75.1	9.0	71.3	.67	82.2	81.4	NW	0.1					
6 „	.886	.052	81.8	76.4	5.4	74.3	.78	81.4	81.1	„	1.1					
7 „	.901	.082	81.0	75.8	5.2	73.7	.89	80.8	81.0	„	0.1					
8 „	.908	.091	79.8	75.4	4.4	73.6	.82	80.0	81.0	„	0.0					
9 „	.910	.245	79.4	71.2	8.2	67.2	.68	79.6	80.9	„	0.0					
10 „	.917	.126	77.6	74.1	3.5	72.6	.85	78.1	80.6	NW b N	0.0					
11 „	.905	.151	76.6	72.8	3.8	71.1	.85	77.0	80.4	„	0.0					

Amount of Clouds. 0 — 8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ≀∪≀ nimbi.	Remarks.
0	L	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	Clear; comet visible in SSW after 6h. 20m.	
0	K	Clear; comet dimly visible in SSW.	
0	K	Clear; comet was not visible after 8h. 5m.	
0	B	Clear.	
0	B	,,	
0	B	,,	
0	B	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	K	,,	
0	C	,,	
0	C	,,	
0	C	A few ≀ along E hor.	
0	C	,,	
0	L	,,	
0	L	,,	
0	B	,,	
0	B	,,	
0	C	,,	
0	C	Clear; comet dimly visible after 6h. 20m.	
0	C	Clear; comet visible in SSW.	
0	C	Clear; comet went below hor. after 8h.	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0. The range of Barometer was 0.085 the least during this month; this is the second cloudless day during this month.
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	,,	
0	K	Mist and fog in hor.	
0	K	,,	
0	L	Light haze around hor.	
0	L	,,	
0	L	,,	
0	L	Clear.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	K	,,	
0	K	Clear; comet dimly visible in SSW after 6h. 25m.	
0	K	Clear; comet dimly visible in SSW.	
0	K	Clear; comet was not visible at the time of observation.	
0	L	Clear.	
0	L	Clear; dew falling.	
0	L	,, ,,	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 9th-Midnight	29.890	29.120	75°3	73°0	2°3	71°8	0.88	76°2	80°2	NW b N	0·0					
1 a. m.	.886	.116	75.2	72.8	2.4	71.8	.90	76.0	80.0	„	0·0					
2 „	.880	.116	75.4	73.0	2.4	71.5	.90	76.1	79.7	„	0.1					
3 „	.869	.113	75.8	72.6	3.2	71.2	.86	76.4	79.6	„	0.1					
4 „	.869	.111	75.6	72.6	3.0	71.3	.87	76.4	79.5	„	0.0					
5 „	.881	.171	74.6	71.0	3.6	69.3	.84	75.2	79.5	NE	0.0					
6 „	.903	.163	74.5	71.8	2.7	70.5	.88	75.2	79.3	„	0.1					
7 „	.919	.211	75.5	71.2	4.3	69.2	.82	76.1	79.3	„	0.1					
8 „	.943	.187	77.7	73.2	4.5	71.2	.81	77.4	79.3	NE b E	0.1					
9 „	.950	.189	80.0	74.0	6.0	71.4	.76	79.3	79.5	„	0·3					
10 „	.943	.254	81.5	72.5	9.0	68.3	.66	80.6	79.8	„	0.2					
11 „	.926	.325	83.8	70.8	13.0	64.2	.53	83.0	80.1	„	0.1	None.	None.	None.	None.	None.
Noon.	.899	.130	87.0	76.2	10.8	71.7	.62	84.7	80.5	NNW	0·2					
1 p. m.	.873	.107	86.5	76.0	10.5	71.6	.63	84.2	80.7	NW b W	0.1					
2 „	.857	.051	86.8	77.1	9.7	73.2	.65	84.7	81.0	„	0·1					
3 „	.849	.049	87.0	77.0	10.0	73.0	.64	84.9	81.2	„	0.2					
4 „	.853	.085	86.4	76.0	10.4	71.7	.63	83.9	81.4	NW	0·1					
5 „	.864	.090	83.8	75.5	8.3	71.9	.69	82.5	81.4	„	0·1					
6 „	.880	.099	81.6	75.0	6.6	72.2	.74	81.3	81.2	NW b N	0.2					
7 „	.892	.063	80.8	76.0	4.8	74.1	.81	80.6	81.1	„	0.1					
8 „	.912	.115	80.2	75.0	5.2	72.9	.79	80.0	81.0	„	0.2					
9 „	.915	.146	78.9	73.9	5.0	71.7	.80	78°8	80,9	NNW	0.1					
10 „	.913	.217	77.6	71.5	6.1	68.6	.75	78.0	80.6	„	0.1					
11 „	.912	.175	76.5	72.3	4.2	70.4	.82	76.9	80.3	N	0.0					
Nov. 10th-Midnight	.897	.157	75.8	72.2	3.6	70.5	.85	76.5	80.1	N	0.0					
1 a. m.	.895	.128	75.4	72.8	2.6	71.6	.89	76.1	79.7	„	0.0		+	1		0.06
2 „	.885	.110	75.4	73.0	2.4	72.0	.90	76.0	79.5	„	0.0		+	1		0.16
3 „	.875	.119	75.4	72.5	2.9	71.2	.87	75.9	79.4	NE b N	0.1					
4 „	.880	.108	75.0	72.8	2.2	71.8	.90	75.5	79.2	NE	0.1					
5 „	.897	.191	74.4	70.8	3.6	69.1	.84	75.0	79.2	ENE	0.1					
6 „	.917	.220	74.2	70.5	3.7	68.7	.84	74.6	79.0	„	0.1					
7 „	.942	.335	76.8	68.7	8.1	64.5	.67	76.8	79.2	E b N	0.2		+	1		Above 10m.
8 „	.962	.377	79.2	68.8	10.4	63.3	.60	78.8	79.2	„	0.3					
9 „	.980	.484	81.8	67.0	14.8	58.4	.47	81.2	79.5	„	0.4	None.			None.	
10 „	.973	.369	84.8	71.2	13.6	64.3	.52	82.9	79.8	„	0.2					
11 „	.953	.330	85.2	71.8	13.4	65.3	.53	83.3	80.2	„	0.1					
Noon.	.924	.354	86.0	70.6	15.4	62.6	.47	84.0	80.4	„	0.0					
1 p. m.	.903	.287	87.4	72.3	15.1	64.9	.49	85.0	80.7	„	0.0					
2 „	.888	.212	87.7	74.0	13.7	67.8	.53	85.2	81.0	WNW	0.1		+	1		Above 10m.
3 „	.883	.161	88.0	75.3	12.7	69.8	.56	85.2	81.2	NW b W	0.1					
4 „	.886	.172	86.0	74.5	11.5	69.4	.59	83.7	81.3	NW	0.1					
5 „	.893	.173	83.7	74.0	9.7	69.7	.64	82.5	81.3	NW b N	0.4					
6 „	.908	.149	81.4	74.4	7.2	71.3	.72	81.3	81.1	„	0.3					
7 „	.921	.153	80.4	74.3	6.1	71.7	.76	80.4	80.9	„	0.1					
8 „	.937	.174	79.8	74.0	5.8	71.5	.77	79.9	80.8	„	0.2		+	8		0.10
9 „	.939	.163	78.6	74.0	4.6	72.0	.81	78.2	80.6	NNW	0.0					
10 „	.938	.229	76.4	71.5	4.9	69.2	.79	77.0	80.5	„	0·0					
11 „	.928	.229	75.6	71.0	4.6	68.8	.80	76.0	80.2	„	0.0		+	9		0.11
Nov. 11th-Midnight	.921	.155	76.2	73.0	3.2	71.6	.86	76.1	80.0	ENE	0.0		+	10	10	0.45
1 a. m.	.911	.122	75.8	73.5	2.3	72.6	.90	76.4	79.7	„	0.0		+	5		0.32
2 „	.903	.141	75.2	72.6	2.6	71.4	.89	75.9	79.5	„	0.0		+	8	6	1 04
3 „	.903	.161	75.0	72.0	3.0	70.6	.87	75.6	79.5	„	0.0		+	2		0.50
4 „	.915	.164	74.2	72.0	2.2	71.0	.90	75.0	79.1	„	0·0					
5 „	.934	.260	73.2	69.5	3.7	67.7	.84	74.0	79.0	„	0.2	None.				
6 „	.959	.331	72.8	68.0	4.8	65.5	.79	73.3	78.7	„	0.1					
7 „	.981	.299	74.0	70.0	4.0	68.0	.83	74.4	78.6	E	0·1					
8 „	30.005	.314	76.4	71.0	5.4	68.4	.77	76.3	78.7	E b S	0.2					
9 „	.020	.434	78.4	68.6	9.8	63.4	.62	78.0	78.9	„	0.1					
10 „	.011	.411	80.2	69.6	10.6	64.1	.60	79.0	79.0	„	0.0					
11 „	29 983	.443	81 4	68.2	13.2	60.9	.51	79.9	79.3	„	0·0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌇⌒ cirro-strati; ⌒⌒ cumulo-strati; and ⌇⌒ nimbi.	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	A few ⌇ in SE and S hor.; mist around hor.	
0	K	" "	
0	K	" "	
0	L	Light haze in hor.	
0	L	"	
0	L	A few ⌇ in SE and S.	
0	L	A few ⌇ in E, SE, and S.	
0	C	Light ⌇ in hor. from NE to WSW.	
0	C	Light ⌇ scattered here and there.	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	Clear; comet dimly visible in SSW.	
0	K	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	A few ⌇ from NE *to* S hor.; mist along W hor.	
0	K	A few ⌇ above hor. from SE; mist along W hor.	
0	K	A few ⌇ in E hor.	
0	L	"	
0	L	Clear.	
0	L	A few light ⌇ in SE; otherwise cloudless.	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	Light haze in hor.	
0	L	"	
0	L	Light haze in hor.; comet dimly visible in SSW.	
0	L	" "	
0	L	Clear, except in hor.	
0	K	" "	
0	K	" "	
0	K	" "	
0	K	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0. The wind blew abnormally this day.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	Mist and fog in hor.	
0	K	"	
0	K	"	
0	L	Light haze in hor.	
0	L	"	
0	L	Clear.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after the charge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 11th-Noon.	29.955	29.339	84°4	71°4	13°0	64°9	0.54	81°8	79°5	NW b W	0.0					
1 p. m.	.919	.247	86.0	73.4	12.6	67.6	.56	83.3	79.8	ENE	0.0		+	1		Above 10m.
2 „	.896	.457	86.8	67.0	19.8	54.7	.36	85.5	80.2	NW	0.1		+	2		Above 10m.
3 „	.881	.197	87.0	74.0	13.0	68.1	.55	84.0	80.5	„	0.2		+	1		Above 10m.
4 „	.873	.162	85.9	74.4	11.5	69.3	.59	83.5	80.5	„	0.3		+	2		Above 10m.
5 „	.886	.174	82.8	73.5	9.3	69.3	.65	81.4	80.7	NNW	0.2					
6 „	.899	.158	80.8	73.7	7.1	70.6	.72	81.1	80.5	„	0.3	None.				
7 „	.929	.168	80.0	74.0	6.0	71.4	.76	79.8	80.4	„	0.3					
8 „	.941	.162	79.4	74.3	5.1	72.1	.79	79.1	80.4	„	0.3					
9 „	.938	.215	78.0	72.4	5.6	69.8	.76	78.6	80.2	„	0.2		+	1		Above 10m.
10 „	.940	.291	75.8	69.6	6.2	66.5	.74	76.3	79.8	„	0.0		+	16	15	0.20
11 „	.935	.249	74.6	70.3	4.3	68.2	.81	75.4	79.5	„	0.0		+	6		3.30
Nov. 12th-Midnight	.917	.269	73.4	68.8	4.6	66.5	.80	74.6	79.2	NNW	0.0		+	5		4.20
1 a. m.	.904	.266	72.5	68.5	4.0	66.0	.82	74.0	78.7	„	0.0		+	11	9	1.09
2 „	.895	.194	72.3	70.0	2.3	68.9	.90	73.5	78.3	„	0.0		+	5		1.05
3 „	.895	.181	73.6	70.8	2.8	69.5	.88	74.0	78.3	NNE	0.1		+	7	6	1.20
4 „	.894	.254	73.2	68.5	4.7	66.1	.80	73.6	78.1	„	0.3					
5 „	.901	.292	73.0	67.5	5.5	64.6	.76	73.0	78.1	NE	0.2		+	2		2.10
6 „	.930	.313	72.6	67.6	5.0	65.0	.78	73.0	77.8	„	0.2		+	2		1.20
7 „	.950	.361	74.6	67.4	7.2	63.5	.70	74.5	77.9	ENE	0.3					
8 „	.967	.378	76.9	68.2	8.7	63.5	.65	77.0	78.2	„	0.2		+	2		1.45
9 „	.978	.420	79.2	68.0	11.2	61.9	.57	78.6	78.3	„	0.3		+	1		Above 10m.
10 „	.963	.381	81.2	69.4	11.8	63.2	.56	80.3	78.5	„	0.2		+	1		Above 10m.
11 „	.938	.311	84.8	71.8	13.0	65.4	.54	83.0	79.2	„	0.1		+	1		Above 10m.
Noon.	.904	.371	85.6	69.4	16.2	60.5	.45	83.7	79.5	„	0.1	None.				
1 p. m.	.881	.400	86.0	68.0	18.0	57.4	.40	84.0	79.7	„	0.0					
2 „	.861	.312	87.6	70.5	17.1	61.4	.44	85.3	80.0	„	0.0					
3 „	.853	.220	88.2	73.0	15.2	65.7	.49	85.2	80.4	NNW	0.1		+	1		
4 „	.856	.138	87.4	75.0	12.4	69.6	.57	84.5	80.5	NW b W	0.1					
5 „	.862	.129	83.9	74.4	9.5	70.2	.65	82.0	80.6	„	0.1					
6 „	.878	.152	81.2	73.4	7.8	69.9	.70	80.5	80.5	„	0.1					
7 „	.899	.127	80.4	74.4	6.0	71.8	.76	80.1	80.4	„	0.2					
8 „	.920	.147	79.6	74.2	5.4	71.9	.78	79.2	80.3	NNW	0.2					
9 „	.916	.161	77.8	73.2	4.6	71.2	.81	77.8	80.1	N	0.1					
10 „	.914	.249	76.2	70.2	6.0	67.2	.75	75.7	79.8	„	0.0		+	2		Above 10m.
11 „	.905	.253	73.6	69.0	4.6	66.6	.80	74.9	79.5	N b E	0.0		+	4		1.20
Nov. 13th-Midnight	.893	.247	73.0	68.6	4.4	66.4	.81	74.0	79.0	N b E	0.0		+	3		3.00
1. a. m.	.889	.226	72.6	69 0	3.6	67.2	.84	74.0	78.5	„	0.0		+	7	6	Above 10m.
2 „	.883	.263	71.5	67.3	4.2	65.1	.82	72.8	78.2	„	0.0		+	7	6	3.27
3 „	.880	.182	71.9	69.8	2.1	68.7	.91	73.2	78.0	„	0.0		+	6	5	Above 10m.
4 „	.882	.189	73.0	70.0	3.0	68.5	.88	73.6	77.9	NE	0.0		+	2		1.10
5 „	.892	.274	72.3	67.5	4.7	65.0	.79	72.3	77.7	NE b E	0.1		+	2		1.30
6 „	.913	.325	72.0	66.5	5.5	63.5	.76	72.5	77.6	„	0.1		+	2		Above 10m.
7 „	.937	.337	73.6	67.4	6.2	64.1	.74	73.8	77.5	ENE	0.2		+	1		Above 10m.
8 „	.956	.341	75.8	68.6	7.2	64.9	.70	75.4	77.6	„	0.3		+	1		Above 10m.
9 „	.963	.408	78.2	67.6	10.6	61.8	.58	77.5	77.9	„	0.4		+	1		Above 10m.
10 „	.950	.350	80.8	69.8	11.0	64.1	.58	79.5	78.3	„	0.4		+	2		Above 10m.
11 „	.933	.344	82.4	70.0	12.4	63.5	.55	81.4	78.6	„	0.3					
Noon.	.901	.316	84.6	70.6	14.0	63.3	.51	83.3	79.1	„	0.2	None.				
1 p. m.	.879	.320	86.4	70.4	16.0	62.0	.46	84.2	79.5	NE	0.1		+	2		Above 10m.
2 „	.863	.252	87.2	72.1	15.1	64.7	.49	84.9	79.8	„	0.0		+	1		Above 10m.
3 „	.859	.070	88.0	77.0	11.0	72.6	.61	85.3	80.0	„	0.0					
4 „	.859	.133	86.6	75.0	11.6	69.9	.59	83.7	80.2	NW	0.1					
5 „	.870	.104	83.0	75.0	8.0	71.6	.70	81.2	80.3	„	0.2		+	1		Above 10m.
6 „	.883	.129	80.6	74.0	6.6	71.1	.74	80.2	80.0	„	0.2					
7 „	.897	.098	80.0	75.0	5.0	73.0	.80	79.8	80.0	„	0.2					
8 „	.914	.140	79.2	74.1	5.1	71.9	.79	79.0	80.0	NNW	0.1					
9 „	.922	.168	77.6	73.1	4.5	71.1	.81	77.5	79.7	„	0.1					
10 „	.925	.254	75.0	70.0	5.0	67.8	.79	75.4	79.4	„	0.0		+	2		1.20
11 „	.907	.239	73.8	69.5	4.3	67.4	.81	74.2	79.0	N b W	0.0		+	1		0.50

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒ cirri; ⌒⌒ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒⌒ cumulo-strati; and ⌒⌒ nimbi.	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	A few ⌒ in SE and S hor.	
0	K	Clear.	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 81°0 and 83°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	Mist and fog in hor.; a few ⌒ in E hor.	
0	K	" "	
0	K	A few ⌒ above SW and E hor.; mist along W hor.	
0	L	A few ⌒ in WSW; haze in hor.	
0	L	A few ⌒ in W; haze in hor.	
0	L	Clear.	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	A few ⌒ in E and W hor.	
0	K	A few ⌒ in E hor.	
0	K	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°9 and 83°0.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	Light ⌒ in E hor.; mist along W hor.	
0	K	Light ⌒ in E hor.; mist and fog in hor.	
0	K	Mist along W hor.; fog along E.	
0	L	Light mist in hor.	
0	L	"	
0	L	"	
0	L	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	K	A few ⌒ about W hor.	
0	K	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	"	
0	K	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 15th-Midnight	29.948	29.415	73°8	65°4	8°4	60°5	0.64	74°5	78°5	N b E	0.1					
1 a. m.	.941	.322	73.6	68.0	5.6	65.1	.76	73.9	78.0	„	0·2					
2 „	.936	.313	73.5	68.2	5.3	65.3	.77	73.8	77.9	NNE	0·2					
3 „	.937	.325	74.3	68.0	6.3	64.7	.73	74.5	77.8	NE	0.2					
4 „	.952	.370	74.0	67.0	7.0	63.2	.70	74.0	77.6	„	0.3					
5 „	.971	.431	72.6	65.2	7.4	60.9	.68	72.9	77.5	„	0.2		+	1		1.15
6 „	.991	.480	72.4	64.2	8.2	59.3	.65	72.8	77.3	„	0.2					
7 „	30.018	.533	74.2	64.0	10.2	57.7	.58	74.2	77.2	„	0.2		+	2		4.17
8 „	.037	.499	76.6	66.5	10.1	60.8	.60	76.0	77.4	„	0.3		+	2		2.10
9 „	.046	.495	78.6	67.6	11.0	61.5	.58	77.5	77.7	NE b E	0·4					
10 „	.041	.484	80.8	68.5	12.3	61.9	.54	79.5	78.0	„	0.3					
11 „	.009	.523	82.6	67.0	15.6	57.8	.45	81.0	78.3	„	0.1	None.			None.	
Noon.	29.982	.507	84.8	67.4	17.4	57.1	.41	82.8	78.7	„	0.2					
1 p. m.	.959	.479	86.0	67.3	18.7	57.4	.38	83.9	79.0	„	0.0					
2 „	.934	.369	87.7	71.0	16.7	62.3	.45	84.5	79.5	NW	0·1					
3 „	.921	.300	86.0	72.0	14.0	65.2	.51	83.5	79.7	NW b N	0·3					
4 „	.930	.213	85.8	74.5	11.3	69.6	.60	83.4	79.9	„	0·3					
5 „	.944	.239	82.4	73.2	9.2	69.0	.65	81.3	79.9	„	0·2		+	1		Above 10m.
6 „	.956	.204	80.8	74.0	6.8	71.0	.73	80.4	79.8	NNW	0·1					
7 „	.986	.235	79.6	73.6	6.0	71.0	.76	79.2	79.8	N	0·2					
8 „	30.010	.275	78.0	72.7	5.3	70.3	.78	77.2	79.6	„	0·2		+	5		1.00
9 „	.013	.377	76.3	69.4	6.9	65.9	.72	76.0	79.4	„	0·2		+	2		0.25
10 „	.019	.470	73.0	65.6	7.4	61.4	.69	74.5	79.0	„	0·1		+	6		Above 10m.
11 „	.005	.307	73.2	70.2	3.0	68.7	.87	74.3	78.5	„	0·0		+	4		Above 10m.
Nov. 16th-Midnight	29.992	.445	74.8	66.2	8.6	61.3	.65	75.3	78.3	NE	0.3		+	3		Above 10m.
1 a. m.	.986	.481	75.2	65.0	10.2	58.9	.59	75.2	78.1	„	0.3		+	4		Above 10m.
2 „	.966	.461	75.2	65.0	10.2	58.9	.59	75.2	78.0	„	0.3		+	3		Above 10m.
3 „	.966	.449	75.2	65.4	9.8	59.6	.60	75.0	77.9	ENE	0.5		+	4		Above 10m.
4 „	.969	.459	74.7	65.0	9.7	59.2	.61	74.6	77.6	„	0.5		+	3		Above 10m.
5 „	.989	.401	74.0	67.2	6.8	63.5	.71	74.0	77.5	„	0.1		+	4		6.10
6 „	30.015	.470	73.0	65.5	7.5	61.2	.69	73.1	77.5	„	0.2		+	1		Above 10m.
7 „	.040	.452	74.7	67.4	7.3	63.8	.70	74.5	77.3	„	0.1		+	1		Above 10m.
8 „	.057	.479	76.8	67.8	9.0	63.0	.63	76.4	77.5	„	0.1		+	1		Above 10m.
9 „	.059	.487	78.8	68.3	10.5	62.7	.59	77.6	77.7	„	0.6		+	2		Above 10m.
10 „	.046	.457	80.0	69.2	10.8	63.5	.59	79.2	78.0	„	0·4		+	2		Above 10m.
11 „	.018	.406	82.8	70.8	12.0	64.7	.56	81.6	78.4	„	0·4		+	1		Above 10m.
Noon.	29.984	.372	85.5	71.6	13.9	64.7	.51	83.7	79.0	„	0.4					
1 p. m.	.951	.373	86.5	71.0	15.5	63.0	.48	84.5	79.3	„	0.1	None.	+	2		Above 10m.
2 „	.933	.383	86.6	70.2	16.4	61.5	.45	84.5	79.6	„	0·1		+	1		Above 10m.
3 „	.921	.463	86.2	67.4	18.8	56.0	.38	84.1	79.8	„	0.0					
4 „	.919	.456	86.4	67.6	18.8	56.3	.38	84.0	80.0	„	0.0					
5 „	.936	.227	83.8	73.7	10.1	69.2	.63	82.0	80.0	NW b N	0.1		+	2		5.20
6 „	.953	.231	80.8	73.2	7.6	69.8	.70	80.4	79.8	„	0·1					
7 „	.974	.262	79.4	72.5	6.9	69.3	.73	79.4	79.8	NW	0·1					
8 „	.987	.290	77.8	71.6	6.2	68.7	.75	77.6	79.5	N	0·1		+	2		1·10
9 „	.987	.321	76.0	70.5	6.5	67.3	.73	76.2	79.2	„	0.2		+	10	8	0.25
10 „	.996	.478	74.0	65.0	9.0	59.7	.63	74.9	78.7	„	0·1		+	6		2.30
11 „	.988	.417	75.0	67.0	8.0	62.6	.67	75.5	78.5	NE b N	0·2		+	6		Above 10m.
Nov. 17th-Midnight	.975	.427	74.2	66.0	8.2	61.4	.66	74.0	78.4	NE b N	0.1		+	8		3.20
1 a. m.	.971	.440	73.7	65.3	8.4	60.4	.65	73.7	78.0	„	0.0		+	7		Above 10m.
2 „	.958	.450	71.8	63.9	7.9	59.1	.66	72.1	77.5	„	0.2		+	5		Above 10m.
3 „	.954	.478	73.4	63.4	10.0	57.2	.58	73.7	77.5	„	0.5		+	5		Above 10m.
4 „	.954	.497	74.0	63.0	11.0	55.9	.55	74.1	77.3	NE b E	0.6		+	3		Above 10m.
5 „	.971	.475	73.2	64.0	9.2	58.4	.62	73.0	77.2	„	0.3		+	3		Above 10m.
6 „	.992	.483	72.6	64.2	8.4	59.1	.64	72.4	77.0	„	0.4	None.	+	3	None.	Above 10m.
7 „	30.020	.472	73.6	65.8	7.8	61.4	.67	73.5	76.9	„	0.4		+	1		Above 10m.
8 „	.039	.457	75.5	67.5	8.0	63.2	.67	74.8	76.8	„	0·3		+	4		Above 10m.
9 „	.047	.554	77.4	65.4	12.0	58.2	.54	76.8	77.2	ENE	0·6		+	1		Above 10m.
10 „	.036	.509	80.6	67.4	13.2	60.2	.51	80.1	77.6	„	0.8		+	1		Above 10m.
11 „	.012	.461	84.0	69.4	14.6	61.5	.49	82.7	78.2	„	0.6		+	2		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌇ nimbi.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°7 and 83°0.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	Light ⌇ in E, SE, and S hor.	
0	K	Light ⌇ in E, SE, and S hor.; fog along E hor.	
0	K	" "	
0	L	" "	
0	L	A few ⌇ in E and SE hor.; haze in hor.	
0	L	" "	
0	L	A few ⌇ in SE.	
0	C	⌇ along E hor.	
0	C	A few ⌇ in E, SE, and S hor.	
0	C		
0	C	"	
0	K	A few ⌇ in SE and S hor.	
0	K	"	
0	K	"	
0	K	Clear.	
0	K	"	
0	L	"	
0	L	"	
0	L	"	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°6 and 82°9. The Barometer at 9 A. M. was the greatest during this month, being about 0.060 greater than the Normal Mean.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	Dense ⌇ in E, SE, and S hor.	
0	K	A few ⌇ in E, SE, S, and W hor.; fog along E hor.	
0	K	⌇ scattered here and there; fog along E hor.	
0	K		
1	L	" "	
1	L	⌇ scattered around hor., except in W, NW, and NE; haze in hor.	
1	L	" " "	
1	L	⌇ scattered about hor. from E to W.	
1	L	⌇ scattered about hor. from NE to SW.	
1	C	⌇ scattered about hor. from N to SW.	
1	C		
1	C	"	
1	C	"	
0	K	⌇ scattered about hor. from E to SW.	
0	K	⌇ scattered here and there and in S hem.	
0	K		
0	K	"	
0	K	"	
0	L	⌇ scattered about hor. from E to W.	
0	L		
0	L	"	
0	L	A few ⌇ in SE and S hor.	
0	L	"	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°6 and 82°9. Wet Bulb at 4 A. M. was least during the month, being about 7.3 lower than the Normal Mean.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	K	" "	
0	K	Light ⌇ scattered about hor. from E to SW; light haze along E hor.	
0	K	" "	
0	K	" "	
0	L	A few ⌇ in SE, S, and SW hor.; haze in hor.	
0	L	" "	
0	L	A few ⌇ scattered about hor. from SE to SW.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 17th–Noon.	29.981	29.372	85°0	71°4	13°6	64°6	0.52	83°3	78°7	ENE	0.4		+	2		Above 10m.
1 p. m.	.946	.379	85.3	70.3	15.0	62.4	.48	83.8	78.9	,,	0.1		+	1		Above 10m.
2 ,,	.931	.433	86.0	68.5	17.5	58.5	.41	84.2	79.3	,,	0·0		+	1		Above 10m.
3 ,,	.918	.410	86.6	69.0	17.6	59.1	.42	84.4	79.5	,,	0.0					
4 ,,	.925	.227	87.1	74.4	12.7	68.7	.56	84.0	79.8	NW	0.1		+	3		2.07
5 ,,	.945	.207	82.7	74.2	8.5	70.9	.68	81.0	79.8	,,	0.1	None.	+	2		2.15
6 ,,	.958	.194	80.4	74.2	6.2	71·5	.75	80.0	79.6	,,	0.2					
7 ,,	.979	.247	78.6	72.8	5.8	70.2	.76	78.6	79.5	NW b N	0.2		+	2		5.10
8 ,,	.996	.250	78.0	73·0	5.0	70.8	.79	78.0	79.4	,,	0.1		+	1		4.50
9 ,,	.994	.296	76.4	71.2	5.2	68.7	.78	76.9	79.1	N b W	0.4		+	13	10	0.40
10 ,,	30.002	.387	74.6	68.2	6.4	64.9	.73	74.7	78.7	N	0.1		+	18	15	1.52
11 ,,	29.988	.362	72.4	67.8	4.6	65.4	.80	73.3	78.4	,,	0.0		+	4		Above 10m.
Nov. 18th-Midnight	.986	.397	71.6	66.4	5.2	63.8	.77	72.9	78.0	N	0.0		+	5	4	2.40
1 a. m.	.969	.400	72.8	66.2	6.6	63.1	.76	73.5	77.7	NNE	0.0		+	7	6	Above 10m.
2 ,,	.948	.343	71.1	66.7	4.4	64.4	.80	71.9	77.4	,,	0.0		+	5	4	Above 10m.
3 ,,	.947	.329	71.3	67.2	4.1	65.0	.82	71.6	77.1	,,	0.1		+	7	6	5.14
4 ,,	.947	.397	69.8	64.6	5.2	61.6	.77	70.6	76.8	,,	0·1		+	7	6	Above 10m.
5 ,,	.951	.414	70.6	64.4	6.2	60.8	.73	71.0	76.5	NE b N	0.2		+	3		1.50
6 ,,	.981	.452	71.6	64.5	7.1	60.3	.69	71.4	76.5	NE	0.2		+	2		Above 10m.
7 ,,	30.008	.460	72.4	65.4	7.0	61.4	.70	72.6	76.4	,,	0.1		+	2		Above 10m.
8 ,,	.035	.470	74.4	66.6	7.8	62.3	.67	74.0	76.5	,,	0.3		+	2		Above 10m.
9 ,,	.038	.456	77.0	68.0	9.0	63.2	.64	76.4	76.8	ENE	0.5		+	2		Above 10m.
10 ,,	.019	.430	79.4	69.0	10.4	63.5	.60	78·9	77.2	,,	0·3		+	1		Above 10m.
11 ,,	29.988	.326	81.6	71.8	9.8	67.1	.63	80.6	77.7	,,	0·5	None.				
Noon.	.962	.304	84.6	72.6	12.0	66.9	.57	83.0	78.2	,,	0·2		+	4		Above 10m.
1 p. m.	.935	.354	85.0	70.6	14.4	63.1	.50	83.7	78.5	,,	0·1		+	1		Above 10m.
2 ,,	.914	.347	86.2	70.6	15.6	62.4	.47	84.1	78.9	,,	0·1					
3 ,,	.903	.361	86.6	70.0	16.6	61.0	.44	84.1	79.4	,,	0.0					
4 ,,	.912	.153	87.2	76.0	11.2	71.3	.60	84.3	79.5	NW	0.2		+	2		Above 10m.
5 ,,	.917	.170	83.0	74.5	8.5	70.8	.68	81.2	79.6	,,	0.1		+	3		Above 10m.
6 ,,	.939	.151	80.0	74.7	5.3	72.5	.79	80.0	79.4	,,	0.0		+	2		Above 10m.
7 ,,	.959	.185	78.8	74.0	4.8	71.9	.80	78.9	79.3	NNW	0.1		+	3		4.15
8 ,,	.976	.258	77.2	72.0	5.2	69.6	.78	77.5	79.1	NE	0.1		+	6	4	5.15
9 ,,	.971	.273	76.4	71.2	5.2	68.7	.78	76.8	78.9	,,	0.3		+	4		3.30
10 ,,	.977	.371	74.8	68.0	6.8	64.4	.72	74.7	78.5	NE b E	0.4		+	4		8.35
11 ,,	.962	.325	72.6	68.2	4.4	65.9	.81	73.4	78.2	NE	0.1		+	Out of Sc.	25	0.10
Nov. 19th-Midnight	.960	.256	72.0	70.0	2.0	69.0	.91	73.4	77.8	NE	0.2		+	Out of Sc.	25	0.20
1 a. m.	.950	.257	73.0	70.0	3.0	68.5	.88	73.1	77.6	,,	0.0		+	11	8	1.12
2 ,,	.938	.278	72.0	68.7	3.3	67.0	.85	72.9	77.5	,,	0.0		+	3		2.15
3 ,,	.928	.258	72.0	69.0	3.0	67.5	.88	72.5	77.1	,,	0.0		+	2		1.30
4 ,,	.929	.293	72.1	68.0	4.1	65.9	.82	72.4	77.0	,,	0.2		+	1		Above 10m.
5 ,,	.944	.340	72.0	67.0	5.0	64.3	.78	72.0	76.9	,,	0·2		+	1		Above 10m.
6 ,,	.967	.349	72.2	67.5	4.7	65.0	.79	72.1	76.8	E	0·2		+	2		Above 10m.
7 ,,	.990	.360	73.2	68.2	5.0	65.6	.78	73.0	76.7	NE b E	0.3		+	3		Above 10m.
8 ,,	30.012	.377	74.6	68.8	5.8	65.8	.75	74.2	76.7	,,	0.2		+	2		Above 10m.
9 ,,	.018	.338	77.4	71.0	6.4	67.9	.74	76.6	77.0	ENE	0.5		+	1		Above 10m.
10 ,,	.008	.324	79.0	71.6	7.4	68.1	.71	78.7	77.4	,,	0.4					
11 ,,	29.990	.298	81.6	72.6	9.0	68.5	.66	80.7	77.8	NE	0.3		+	1		Above 10m.
Noon.	.958	.237	83.6	74.0	9.6	69.8	.64	82.0	78.3	,,	0.1	None.	+	2		Above 10m.
1 p. m.	.931	.102	84.4	77.0	7.4	74.2	.73	82.7	78.5	,,	0.0		+	1		Above 10m.
2 ,,	.912	.319	85.2	71.0	14.2	73.9	.50	82.9	78.9	,,	0·0		+	4		Above 10m.
3 ,,	.902	.253	86.4	72.2	14.2	66.5	.50	83.4	79.2	WNW	0·0					
4 ,,	.903	.230	86.6	73.6	13.0	67.6	.55	83.6	79.5	,,	0·1					
5 ,,	.914	.141	82.4	75.0	7.4	71.9	.72	80.6	79.5	NW	0·1					
6 ,,	.926	.184	80.0	73.5	6.5	70.6	.74	79.2	79.3	,,	0.1					
7 ,,	.948	.196	78.8	73.4	5.4	71.0	.78	78.5	79.2	NNW	0·2					
8 ,,	.961	.284	77.6	71.0	6.6	67.8	.73	77.8	79.0	,,	0.1					
9 ,,	.956	.321	76.4	69.4	7.0	65.8	.71	76.5	78.8	N b W	0.1					
10 ,,	.953	.379	74.2	66.8	7.4	62.8	.69	74.6	78.5	N	0.0					
11 ,,	.948	.328	73.0	67.8	5.2	65.1	.77	73.5	78.1	,,	0.0		+	1		Above 10m.

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌇ nimbi.	
0	L	A few ⌇ scattered about hor. from E to SW.	
0	C	⌇ scattered from E to SSE hor. and a few in zth.	
0	C	A few ⌇ in E and SE hor.	
0	C	"	
0	C	A few ⌇ in E, SE, and S hor.	
0	K	A few ⌇ from SE to W hor.	
0	K	⌇ above hor. from SE to W.	
0	K	"	
0	K	A few ⌇ in SE and S hor.	
0	L	"	
0	L	"	
0	L	A few ⌇ in S; otherwise clear.	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°4 and 82°8. The range of Wet Bulb was greatest during this month. The Temperature of Free Air was least during this month, being about 4.3 lower than the Normal Mean. The range of Air Temperature was 17°4 greatest during this month.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	A few ⌇ in E, SE, and S above hor.; light mist in hor. from N to S.	
0	K	" "	
0	K	A few ⌇ above E hor.; light haze in hor.	
0	L	" "	
0	L	Light haze around hor.	
0	L	"	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	A few ⌇ in SE hor.	
0	K	Clear.	
0	K	A few ⌇ in E and SE hor.	
0	K	"	
0	L	Clear, except in hor.	
0	L	" "	
0	L	" "	
0	L	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°4 and 82°8.
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	A few ⌇ in ESE and S hor.; light mist and fog in hor.	
0	K	" "	
0	K	" "	
0	L	" "	
0	L	⌇ scattered about hor. from NE to SE.	
0	L	"	
1	L	⌇ scattered about hor. from NE to SW.	
2	C	Light ⌇ scattered about.	
2	C	"	
2	C	⌇ scattered about hor.	
2	C	⌇ scattered about, except in N and W.	
1	K	⌇ scattered about hor. from NE to SW.	
1	K	⌇ scattered here and there.	
1	K	"	
1	K	"	
0	L	A few ⌇ in E, SE, and S.	
0	L	Clear, except in hor.	
0	L	A few ⌇ in E, SE, and S.	

Bombay • Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds to the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 20th-Midnight	29.928	29.235	73°0	70°0	3°0	68°5	0.88	73°8	77°9	N b E	0.1		+	2		Above 10m.
1 a. m.	.912	.240	73.4	69.5	3.9	67.6	.83	73.9	77.6	NNE	0·1					
2 „	.904	.311	73.0	67.0	6.0	63.8	.74	73.5	77.5	NE	0.4		+	2		Above 10m.
3 „	.899	.284	74.0	68.0	6.0	64.9	.74	74.2	77.2	„	0.5		+	2		Above 10m.
4 „	.905	.281	73.2	68.0	5.2	65.3	.77	73.3	77.0	NE b E	0·3					
5 „	.918	.250	72.2	69.0	3.2	67.4	.86	72.2	77.0	„	0·2					
6 „	.942	.296	72.4	68.4	4.0	66.4	.82	72.7	76.8	NE	0.3					
7 „	.963	.328	73.4	68.4	5.0	65.8	.78	73.4	76.8	ENE	0·1					
8 „	.982	.354	76.1	69.1	7.0	65.5	.71	75.8	77.0	„	0.5					
9 „	.992	.340	78.0	70.4	7.6	66.6	.70	77.3	77.3	„	0.5					
10 „	.987	.310	79.6	71.6	8.0	67.8	.69	78.8	77.6	„	0·1					
11 „	.967	.306	81.4	71.7	9.7	67.1	.63	80.1	78.0	„	0·1	None.			None.	
Noon.	.935	.248	84.0	73.2	10.8	68.2	.61	82.4	78.3	„	0.2					
1 p. m.	.912	.112	85.6	76.6	9.0	73.0	.67	83.4	78.6	WNW	0·1		+	3		Above 10m.
2 „	.895	.098	84.1	76.1	8.0	72.9	.70	82.1	78.9	NW	0·1					
3 „	.884	.076	84.5	76.5	8.0	73.3	.70	82.1	79.2	„	0.2					
4 „	.887	.052	83.8	77.0	6.8	74.3	.74	81.9	79.4	„	0·2					
5 „	.899	.068	80.6	76.0	4.6	74.1	.82	80.0	79.4	NW b N	0.2					
6 „	.912	.101	78.9	75.0	3.9	73.4	.84	78.8	79.0	NNW	0·3					
7 „	.939	.154	77.8	74.0	3.8	72.4	.84	78.0	78.9	„	0.1					
8 „	.945	.142	77.2	74.3	2.9	73.1	.88	77.6	78.7	„	0.1					
9 „	.942	.158	76.6	73.6	3.0	72.3	.87	76.9	78.5	„	0.0					
10 „	.941	.236	76.4	71.4	5.0	69.0	.79	76.6	78.5	N	0.0		+	3		2.18
11 „	.937	.250	73·5	70.0	3.5	68.2	.85	74.5	78.1	„	0.0		+	2		3.06
Nov. 22nd-Midnight	.943	.292	76.8	70.0	6.8	66.6	.72	77.0	78.4	NNE	0.8		+	1		Above 10m.
1 a. m.	.935	.301	76.2	69.3	6.9	65.8	.72	76.1	78.1	„	0.5		+	2		Above 10m.
2 „	.923	.263	76.0	70.0	6.0	67.0	.75	76.0	78.0	„	0.4		+	2		Above 10m.
3 „	.919	.283	75.1	69.0	6.1	65.9	.74	75.0	77.8	„	0.2		+	1		Above 10m.
4 „	.918	.295	74.2	68.3	5.9	65.3	.75	74.0	77.5	„	0.2		+	2		Above 10m.
5 „	.929	.295	73.8	68.5	5.3	65.8	.77	73.8	77.5	„	0.1		+	2		Above 10m.
6 „	.945	.334	73.4	67.7	5.7	64.7	.75	73.2	77·4	„	0.1		+	2		Above 10m.
7 „	.966	.355	74.4	68.0	6.4	64.7	.73	74.4	77.3	NE	0.2		+	3		Above 10m.
8 „	.987	.323	77.2	70.5	6.7	67.2	.73	76.5	77.4	NE b E	0.2		+	3		Above 10m.
9 „	.993	.319	79.2	71.4	7.8	67.7	.69	78.4	77.7	NE	0.4		+	2		Above 10m.
10 „	.984	.301	81.0	72.2	8.8	68.1	.66	80.2	78.1	„	0.5		+	1		Above 10m.
11 „	.957	.298	83.2	72.2	11.0	67.0	.60	82.6	78.5	NE b N	0·4					
Noon.	.924	.263	85.6	73.0	12.6	67.1	.55	84.8	79.1	„	0.2		+	1		Above 10m.
1 p. m.	.891	.238	87.0	73.2	13.8	66.7	.52	86.0	79.5	NNE	0.1	None.				
2 „	.869	.158	88.0	75.0	13.0	69.3	.55	85.5	79.8	NW	0.2		+	2		Above 10m.
3 „	.848	.006	85.0	77.5	7.5	74.7	.72	83.1	80.0	„	0.4		+	1		Above 10m.
4 „	.841	28.991	83.6	77.3	6.3	74.8	.76	82.0	80.0	NNW	0.4					
5 „	.853	29.022	80.6	76.0	4.6	74.1	.82	80.0	79.9	„	0.3		+	3		2.10
6 „	.864	.112	78.8	73.4	5.4	71.0	.78	78.5	79.6	„	0.4		+	4		2.25
7 „	.874	.144	77.8	72.5	5.3	70.1	.78	77.8	79.5	„	0.2		+	5		1.30
8 „	.881	.136	77.4	72.8	4.6	70·7	.81	77.2	79.4	„	0.2		+	2		3.00
9 „	.882	.155	76.4	72.0	4.4	70.0	.81	77.0	79.1	„	0.1		+	2		2.30
10 „	.883	.195	74.8	70.4	4.4	68.3	.81	75.6	78.8	N b W	0.0		+	12	10	2.10
11 „	.868	.170	73.2	70.2	3.0	68.8	.87	74.8	78.5	N	0·0		+	14	12	
Nov. 23rd-Midnight	.854	.130	74.0	71.2	2.8	69.9	.89	75.0	78.3	N	0·0		+	Out of Sc.	24	0.30
1 a. m.	.848	.129	75.5	71.5	4.0	69.5	.83	76.0	78.2	N b E	0.1		+	1		2.45
2 „	.836	.066	75.8	73.0	2.8	71.8	.89	76.0	78.2	NE	0.1		+	3		1.13
3 „	.830	.122	75.2	71.1	4.1	69.2	.82	75.5	78.1	„	0.0					
4 „	.832	.156	74.5	70.0	4.5	67.8	.81	75.1	78.0	„	0·0	None.				
5 „	.835	.177	75.2	69.7	5.5	66.9	.77	75.2	78.0	NNE	0.1		+	1		Above 10m.
6 „	.856	.116	75.2	72.0	3.2	70.5	.86	75.0	77.9	NE	0.1					
7 „	.869	.167	75.4	71.0	4.4	68.9	.81	75.8	77.8	„	0.1					
8 „	.887	.174	77.6	72.0	5.6	69.4	.77	77.4	77.9	„	0·1					
9 „	.891	.196	78.6	71.8	6.8	68.6	.73	78.4	78.1	NNE	0.2					
10 „	.883	.140	81.6	74.0	7.6	70.7	.71	80.8	78.5	NE	0.1					
11 „	.862	.132	84.2	74.4	9.8	70.1	.64	82.6	79.0	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∽i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∽⌣i nimbi.	
1	L	⌐i scattered about hor., except in NW and N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°3 and 82°7.
1	C	Light ⌐i scattered here and there.	
0	C	Light ⌐i scattered in E hem.	
1	C	"	
2	C	Light ⌐i scattered here and there.	
2	K	"	
2	K	⌐i and ⌣i scattered about hor.; mist and fog in hor.	
2	K	Light ⌐i scattered here and there; mist and fog in hor.	
4	L	⌐i scattered about; haze around hor.	
5	L	" "	
5	L	⌐i scattered about; a few patches of ∽i in E.	
6	L	" "	
7	L	⌐i scattered throughout; ∽i in E hem.	
7	C	" "	
8	C	⌐i scattered throughout; ∽i in E hem., moving SE.	
8	C	⌐i and ∽i scattered throughout, latter moving SE.	
7	C	⌐i scattered throughout; ∽i in E hem.	
7	C	⌐i scattered throughout; ∽i along E hor.	
7	C	⌐i scattered throughout; a few ∽i about zth.; dew falling.	
4	C	⌐i scattered about, but rather densely around hor.	
4	C	" "	
5	C	⌐i scattered about.	
7	C	⌐i scattered throughout; a lunar-halo.	
7	C	" "	
2	L	⌐i scattered around hor. and a few about zth.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 82°5. The range of Barometer was 0.152 the greatest during this month.
2	C	⌐i scattered about hor.	
2	C	"	
2	C	⌐i scattered here and there.	
3	C	⌐i scattered about hor. and in W of zth.	
3	K	" "	
4	K	⌐i scattered about; mist and fog in hor.	
3	K	" "	
4	K	" "	
3	L	⌐i scattered about; haze in hor.	
4	L	" "	
2	L	⌐i scattered about hor.	
2	L	"	
2	C	"	
2	C	∽i scattered about hor. from SE to WSW; ⌐i from WNW to NE hor.	
2	C	∽i scattered in SE hem.; ⌐i in N and NE hor.	
2	C	∽i scattered in SE hem.; ⌐i in NW, N, and NE hor.	
3	K	⌐i scattered about.	
2	K	⌐i scattered around hor., except in N.	
3	K	⌐i scattered about.	
1	K	⌐i scattered here and there.	
1	L	⌐i scattered around hor.	
1	L	"	
1	L	⌐i scattered around hor.; a few patches of ∽i about zth.	
7	L	∽i scattered throughout, moving ENE; a break in SE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 82°5. Barometer at 3 P. M. was lowest, being about 0.111 lower than the Normal Mean.
7	C	∽i scattered throughout.	
8	C	"	
8	C	"	
8	C	"	
7	K	"	
6	K	⌐i and ∽i scattered throughout; light mist along E hor.	
7	K	⌐i and ∽i scattered throughout, moving E.	
6	K	⌐i and ∽i scattered throughout, latter moving NE.	
4	L	⌐i and ∽i scattered throughout, moving NW.	
4	L	" "	
2	L	∽i scattered about hor., moving NW.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval or Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 23rd—Noon.	29.837	29.009	86°6	77°6	9°0	74°0	0.67	84°2	79°5	NE	0.1					
1 p. m.	.799	28.941	85.4	78.0	7.4	75.1	.72	83.3	79.6	NW	0.1					
2 „	.780	.848	86.3	80.0	6.3	77.7	.76	84.1	80.0	„	0·3					
3 „	.775	.845	85.7	79.8	5.9	77.7	.78	83.6	80.2	„	0.4					
4 „	.781	.846	84.5	79.6	4.9	77.8	.81	82.7	80.4	„	0.3	None.	+	1	None.	0.35
5 „	.783	.887	81.2	77.8	3.4	76.5	.86	80.8	80.2	NW b N	0.3		+	4		1.00
6 „	.795	.961	79.6	75.8	3.8	74.3	.84	79.2	80.0	„	0.3		+	8		0.32
7 „	.803	.987	79.2	75.2	4.0	73.6	.84	79.0	80.0	„	0.2		+	5		1.10
8 „	.823	.976	79.2	76.0	3.2	74.7	.87	79.0	79.9	„	0.1		+	8		1.15
9 „	.825	.968	79.0	76.2	2.8	75.1	.88	79.5	79.8	„	0.0		+	6		0.30
10 „	.827	.950	78.6	76.6	2.0	75.8	.92	79.0	79.3	„	0.0		+	1		Above 10m.
11 „	.810	.946	78.4	76.2	2.2	75.4	.91	78.9	79.7	„	0.0		+	1		Above 10m.
Nov. 24th—Midnight	.801	.989	76.8	74.4	2.4	73.4	.90	77.8	79.6	NW b W	0.1		+	4		0.50
1 a. m.	.801	.941	77.0	75.7	1.3	75.2	.94	77.8	79.6	„	0.0		+	16	15	0.07
2 „	.895	.933	77.8	76.0	1.8	65.3	.92	77.7	79.4	„	0.1					
3 „	.791	.953	77.5	75.3	2.2	74.4	.91	77.9	79.3	NNE	0.1					
4 „	.795	.950	76.8	75.3	1.5	74.7	.94	77.4	79.2	ENE	0.0					
5 „	.810	.976	76.2	74.8	1.4	74.3	.94	76.8	79.1	„	0.0					
6 „	.832	29.029	76.2	74.0	2.2	73.1	.91	76.6	79.0	„	0.0					
7 „	.851	.115	76.2	72.2	4.0	70.4	.83	76.8	79.0	„	0.0		+	7		5.25
8 „	.878	.057	78.0	75.0	3.0	73.8	.87	78.0	79.1	„	0.0					
9 „	.881	.067	78.6	75.0	3.6	73.5	.85	78.9	79.2	„	0.0					
10 „	.875	.017	81.0	76.8	4.2	75.1	.83	80.7	79.4	„	0.0					
11 „	.853	.000	82.2	77.0	5.2	75.0	.80	81.5	79.8	„	0.1					
Noon.	.817	28.910	84.0	78.8	5.2	76.9	.80	83.2	80.0	„	0.1					
1 p. m.	.794	.840	84.3	80.0	4.3	78.5	.83	82.8	80.3	NW	0.1		+	2		2.15
2 „	.775	.846	82.7	79.0	3.7	77.6	.85	81.9	80.5	„	0.1					
3 „	.776	.813	82.0	79.6	2.4	78.8	.90	81.1	80.4	„	0·1					
4 „	.775	.831	81.4	79.0	2.4	78.1	.90	80.6	80.3	„	0.2	Less than one cent.	+	4		3.17
5 „	.787	.864	80.2	78.2	2.0	77.4	.92	80.0	80.4	NW b N	0.1		+	4		2.20
6 „	.806	.912	79.2	77.2	2.0	76.4	.92	79.1	80.4	„	0.2		+	3		0.44
7 „	.831	.943	79.0	77.0	2.0	76.2	.92	79.0	80.2	„	0.1		+	2		0.18
8 „	.853	.963	78.8	77.0	1.8	76.3	.92	79.0	80.1	„	0.0					
9 „	.877	.989	79.0	77.0	2.0	76.2	.92	79.3	80.1	SE	0.3					
10 „	.868	29.014	77.8	75.8	2.0	75.0	.92	78.1	79.9	SE b S	0.2					
11 „	.850	28.990	76.6	75.6	1.0	75.2	.96	76.5	79.8	SE b E	1.5					
Nov. 25th—Midnight	.831	.949	76.0	76.0	0.0	76.0	1.00	76.4	79.5	SE b E	0.8					
1 a. m.	.814	.954	76.6	75.6	1.0	75.2	0.96	76.8	79.4	„	0.4					
2 „	.795	.935	76.6	75.6	1.0	75.2	.96	76.8	79.2	„	0.3					
3 „	.801	.949	76.6	75.4	1.2	74.9	.95	76.9	79.1	„	0.2					
4 „	.816	.984	77.0	75.0	2.0	74.2	.91	77.1	79.0	„	0·2					
5 „	.831	.992	76.4	75.0	1.4	74.4	.94	76.5	79.0	„	0·1					
6 „	.846	29.036	76.2	74.2	2.0	73.3	.91	76.5	79.0	„	0.0					
7 „	.870	.043	76.8	74.8	2.0	74.0	.91	76.8	79.0	„	0.0					
8 „	.896	.100	79.6	74.8	4.8	72.8	.81	79.2	79.2	„	0.2					
9 „	.905	.126	81.2	74.8	6.4	72.1	.75	80.4	79.5	„	0·3					
10 „	.893	.105	82.4	75.4	7.0	72.5	.73	81.7	79.8	„	0.1					
11 „	.882	.104	83.7	75.5	8.2	72.1	.69	82.5	80.0	SE	0.0					
Noon.	.858	.095	85.0	75.5	9.5	71.5	.65	83.5	80.3	ESE	0.0					
1 p. m.	.843	.039	86.6	77.0	9.6	73.1	.66	85.0	80.5	„	0.1	None.				
2 „	.829	28.970	87.4	78.6	8.8	75.2	.68	85.1	81.0	„	0.2					
3 „	.821	.932	86.4	79.0	7.4	76.3	.73	84.5	81.2	NW	0.2					
4 „	.826	.964	85.0	78.0	7.0	75.3	.74	83.6	81.1	„	0.3					
5 „	.854	29.001	82.2	77.0	5.2	75.0	.80	81.2	81.2	„	0.3					
6 „	.879	.084	80.4	75.0	5.4	72.3	.78	80.2	81.0	NW b N	0.3		+	2		Above 10m.
7 „	.897	.117	80.0	74.5	5.5	72.2	.78	80.0	80.8	„	0.4		+	2		Above 10m.
8 „	.916	.117	80.0	75.0	5.0	73.0	.80	79.8	80.7	N b W	0.1		+	18	16	1.40
9 „	.911	.104	80.0	75.2	4.8	73.2	.81	79.9	80.7	„	0.0					
10 „	.913	.105	79.2	75.0	4.2	73.3	.83	79.3	80.6	NNE	0.2					
11 „	.900	.049	78.8	76.0	2.8	74.9	.88	79.1	80.5	NE	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
2	L	Patches of ≀≀ scattered about, moving E; a few ≀ in E and SW.	
3	C	≀≀ scattered about, except around hor.; ≀ in S and W hor.	
2	C	≀ and ≀≀ scattered about hor. from NE to W.	
1	C	Patches of ≀≀ scattered around hor.	
3	C	≀≀ scattered about hor., S, and W.	
5	K	≀≀ scattered throughout, moving NW.	
8	K	Overcast with ≀≀.	
8	K	"	
8	K	"	
8	L	Overcast with ≀≀ and light ≀≀, both moving E.	
8	L	" "	
8	L	Overcast with ≀≀, moving NE.	
6	L	≀≀ scattered about, moving NE; a few ≀ in E.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 82°5. The range of Air Temperature was 8.1 the lowest during this month.
8	C	Overcast with ≀≀, moving NE.	
8	C	Overcast with ≀≀; light ≀≀ about zth., moving ENE; a few stars visible about zth.	
8	C	Overcast with ≀≀ and ≀≀, former moving ENE; a few stars dimly visible.	
8	C	Overcast with ≀≀; a few stars dimly visible.	
7	K	Densely clouded with ≀≀, a few stars dimly visible.	
7	K	Nearly overcast with ≀≀; mist along W hor.	
7	K	" "	
8	K	Overcast with ≀≀; mist along W hor.	
8	L	Overcast with ≀, ≀≀, and ≀≀, last moving N; ⌣ around hor.	
8	L	"	
8	L	∩ from N to E hor.; ≀≀ and light ≀≀ scattered throughout, both moving N.	
8	L	∩ from N to E hor.; ≀ and ≀≀ scattered throughout, latter moving N.	
8	C	∩ along E hor. and in NW; ≀≀ and ≀≀ scattered throughout.	
8	C	" "	
8	C	" "	
8	C	Electrical ∩ along E hor.; ≀≀ & ≀≀ scattered throughout, former moving ENE.	
6	K	Electrical ∩ along E hor.; ≀≀ and ≀≀ scattered throughout, latter moving NE.	
8	K	Overcast with ≀≀ and ≀≀, former moving NE; lightning in E and SE hor.	
8	K	" " "	
8	K	Overcast; a few drops of rain at 8h. 52m.	
8	L	Overcast with ≀≀, moving N; drops of rain falling between 9h. and 9h. 15m.	
8	L	Overcast; no rain.	
8	L	" "	
7	L	Light ≀≀ scattered throughout, moving NE.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 82°7.
8	C	Overcast with ≀≀, moving NNW.	
8	C	Overcast with ≀≀ and ≀≀, both moving NNW.	
8	C	Overcast with ≀≀ and ≀≀, both moving N.	
8	C	Overcast with ≀≀, moving N.	
8	K	Overcast with ≀≀, moving NE.	
8	K	∩ in hor.; ≀≀ scattered throughout, moving NE; mist and fog in hor.	
7	K	⌣ around hor.; ≀≀ scattered throughout, moving N.	
7	K	∩ in NW and N hor.; ≀≀ scattered throughout, moving NE.	
6	L	⌣ around hor.; light ≀≀ about zth., moving ENE; ≀≀ scattered throughout, moving W.	
2	L	∩ and ≀≀ scattered about hor., latter moving N.	
4	L	∩ along E hor.; ≀≀ scattered about hor., moving N.	
4	L	" " "	
4	C	∩ and ≀ along E hor.; ≀≀ scattered about, moving N.	
5	C	∩ along E hor.; ≀ from E to SW hor.; ≀≀ scattered about, moving NE.	
5	C	∩ along E hor.; ⌣ from SE to SW hor.; ≀ in ESE hor.; ≀≀ scattered about, moving NNE.	
3	C	∩ along E hor.; ≀ above ESE hor.; ≀≀ scattered about, moving NE.	
4	K	∩ from NW to NE hor.; ⌣ from E to SW hor.; ≀≀ scattered about, moving NE.	
6	K	≀≀ scattered throughout, moving SE.	
6	K	Overcast with ≀≀ and ≀; lightning in NW.	
8	K	Overcast with ≀≀ and ≀; lightning in NW every 4m.	
8	L	Overcast with ≀≀ and ≀, former moving E.	
8	L	" "	
7	L	≀≀ scattered throughout, moving E.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 26th-Midnight	29.886	29.033	78°6	76°0	2°6	75°0	0.89	78°9	80°3	NE b E	0.1					
1 a. m.	.885	.029	78·4	76.0	2.4	75.1	.90	78.6	80.1	„	0.2					
2 „	.876	.062	78·6	75.0	3.6	73.5	.86	78.5	80.0	E	0.3					
3 „	.876	.090	78.4	74.2	4.2	72.4	.83	78.4	80.0	„	0.3					
4 „	.883	.062	78.0	75.0	3.0	73.8	.87	78.1	79.9	„	0.1					
5 „	.897	.112	77.8	74.0	3.8	72.4	.84	77.9	79.9	„	0.1					
6 „	.920	.151	77.6	73.5	4.1	71.7	.83	77.8	79.8	„	0.0					
7 „	.948	.172	78.6	74.0	4.6	72.0	.81	78.5	79.8	„	0.2					
8 „	.979	.218	81.4	74.4	7.0	71.4	.73	80.8	80.0	„	0.3					
9 „	.987	.178	83.4	76.2	7.2	73.3	.73	83.1	80.3	„	0.4					
10 „	.979	.146	84.0	77.0	7.0	74.2	.73	83.2	80.6	„	0.1					
11 „	.967	.188	85.4	76.0	9.4	72.1	.66	84.2	81.0	„	0.1	None.				
Noon.	.934	.145	86.6	76.6	10.0	72.6	.64	84.9	81.2	„	0.0					
1 p. m.	.916	28.996	87.4	80.0	7.4	77.3	.73	85.5	81.4	WNW	0.1		+	2		3.10
2 „	.906	.937	88.0	81.3	6.7	79.0	.75	85.9	81.8	„	0.2		+	2		4.40
3 „	·899	.908	87.2	81.6	5.6	79.7	.79	85.3	81.9	„	0.2		+	4		1.20
4 „	.914	29.074	83.4	77.0	6.4	74.5	.75	82.6	81.7	N b W	0.0					
5 „	.930	.066	81.2	77.0	4.2	75.4	.83	81.0	81.5	N b E	0.0		+	3		0.12
6 „	.942	.069	80.4	77.0	3.4	75.7	.86	80.3	81.4	NNE	0.0		+	10	8	1.25
7 „	.955	.124	80.6	76.0	4.6	74.1	.82	80.5	81.3	N b W	0.0		+	8		5.50
8 „	.974	.171	79.6	75.0	4.6	73.1	.81	79.8	81.2	NNW	0.1		+	2		0.40
9 „	.974	.162	78.8	75.0	3.8	73.4	.82	79.2	81.0	N	0.1		+	12	10	0.10
10 „	.979	.159	78.1	75.0	3.1	73.7	.87	78.7	80.7	„	0.1					
11 „	.967	.127	77.3	75.3	2.0	74.5	.91	77.8	80.6	„	0.0					
Nov. 27th-Midnight	.946	.084	77·8	76.0	1.8	75.3	.92	78.3	80.6	N	0.0					
1 a. m.	.927	.080	77.4	75.5	1.9	74.7	.92	78.0	80.3	N b E	0.2					
2 „	.925	.073	77.3	75.6	1.7	74.9	.93	77.8	80.1	NNE	0.0					
3 „	.915	.085	77.2	75.0	2.2	74.1	.91	77.3	80.0	NE	0.0					
4 „	.924	.123	76.4	74.0	2.4	73.0	.90	76.8	79.8	„	0.0					
5 „	.935	.183	75.8	72.5	3.3	71.0	.86	76.0	79.6	„	0.0					
6 „	.956	.200	75.8	72.6	3.2	71.2	.86	76.0	79.5	„	0.1					
7 „	.978	.217	76.6	73.0	3.6	71.4	.85	76.8	79.5	„	0.1		+	4		
8 „	.993	.243	78.3	73.2	5.1	71.0	.79	78.0	79.5	„	0.2		+	4		
9 „	30.005	.235	80.6	74.4	6.2	71.8	.76	80.0	79.8	NE b E	0.4		+	1		
10 „	.007	.179	83.4	76.7	6.7	74.0	.74	83.3	80.1	ENE	0·3		+	4		
11 „	29.991	.174	86.2	77.2	9.0	73.6	.67	85.2	80.6	E	0.4		+	1		
Noon.	.963	.171	87.0	76.8	10.2	72.7	.64	85.4	81.1	„	0.1					
1 p. m.	.937	.180	86.0	75.6	10.4	71.2	.63	84.2	81.2	„	0.0	None.				Not observed.
2 „	.921	.169	86.4	75.6	10.8	71.0	.61	84.5	84.3	„	0.0					
3 „	.907	.157	88.0	76.0	12.0	71.0	.58	85.3	81.5	„	0.0		+	1		
4 „	.910	.039	88.0	79.0	9.0	75.6	.68	85.1	81.7	NNE	0.0		+	3		
5 „	.922	.044	83·5	78.0	5.5	75.9	.79	82.2	81.6	NW	0.0		+	1		
6 „	.943	.084	81.6	77.0	4.6	75.2	.82	81.0	81.5	NNW	0.2		+	2		
7 „	.964	.136	80.2	75.8	4.4	74.0	.82	80.0	81.3	„	0.0		+	4		
8 „	.979	.156	79.6	75.4	4.2	73.8	.83	79.2	81.0	N b W	0.0		+	8	6	
9 „	.977	.143	79.0	75.6	3.4	74.3	.86	79.3	81.0	„	0.0		+	14	12	
10 „	.972	.147	78.4	75.2	3.2	73.9	.87	79.0	80.8	NNW	0·1		+	8	6	
11 „	.962	.142	78.1	75.0	3.1	73.7	.87	78.7	80.6	„	0.2		+	10	8	
Nov. 28th-Midnight	.941	.136	77.4	74.4	3.0	73.2	.87	77.8	80.6	NNW	0.1		+	13		Not obsd.
1 a. m.	.939	.213	75.8	71.8	4.0	69.9	.83	76.6	80.3	„	0.0		+	21		Not obsd.
2 „	.921	.103	76.2	74.4	1.8	73.6	.92	76.8	79.9	NE	0.0		+	7		Not obsd.
3 „	.925	.153	75.6	73.0	2.6	71.8	.89	75.6	79.7	„	0.1		+	3		1.20
4 „	.929	.237	74.4	70.4	4.0	68.5	.83	74.5	79.4	„	0.0					
5 „	.945	.301	74.4	69.0	5.4	66.3	.77	74.8	79.2	„	0.2					
6 „	.967	.310	74.4	69.4	5.0	66.9	.79	74.8	79.0	„	0.3	None.			None.	
7 „	.993	.351	75.2	69.2	6.0	66.2	.75	75.4	78.9	ENE	0.2					
8 „	30.014	.374	77.2	69.8	7.4	66.1	.70	77.0	78.9	„	0.2					
9 „	.028	.428	79.6	69.4	10.2	64.1	.61	79.2	79.2	„	0.5					
10 „	.024	.442	82.4	69.8	12.6	63.2	.54	82.1	79.4	„	0.5					
11 „	.006	.424	84.4	70.4	14.0	63.1	.51	83.3	79.8	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
5	L	≀ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°1 and 82°8. Wet Bulb at 3 P. M. was greatest during this month, being about 8.2 greater than the Normal Mean.
5	C	"	
3	C	"	
2	C	≀ scattered about hor. and in E.	
2	C	≀ scattered around hor.	
5	K	≀ scattered about, rather densely around hor.	
3	K	≀ scattered about hor., moving N.	
4	K	≀ scattered about, moving NE.	
5	K	≀ in hor.; ≀ scattered about, moving SE.	
6	L	≀ in E hor.; ≀ around hor.; ≀ above S hor.; ≀ scattered about, moving E.	
5	L	≀ in E hor.; ≀ scattered about, moving E.	
2	L	≀ along E hor.; ≀ and ≀ scattered about hor., former moving E.	
2	L	" " " "	
2	C	≀ along E hor.; ≀ and ≀ scattered about the remainder of hor.	
3	C	" " "	
6	C	≀ along E hor.; ≀ and light ≀ scattered about, latter moving SE.	
7	C	" " "	
7	K	≀ & ≀ along E hor.; ≀ & ≀ scattered about, former moving SW, latter NE.	
6	K	≀ and ≀ along E hor.; ≀ and ≀ scattered about, latter moving SW.	
3	K	≀ and ≀ scattered around hor.	
2	K	≀ scattered about hor.	
2	L	"	
1	L	"	
1	L	"	
2	L	≀ scattered about hor. and in SW.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°2 and 82°8.
2	C	≀ scattered about hor. and in E and SE.	
1	C	≀ scattered around hor.	
1	C	"	
0	C	A few clouds around hor.	
0	K	"	
0	K	A few ≀ scattered here and there.	
0	K	"	
0	K	"	
1	L	Light ≀ scattered here and there.	
0	L	Light ≀ in hor.; otherwise clear.	
0	L	" "	
1	L	≀ from W to NE hor.; ≀ in N, NE, and E hor.	
2	C	≀ from WSW to NE hor.; ≀ from NE to ESE hor.	
2	C	≀ in hor. from NW to SE; ≀ scattered around hor.	
1	C	" "	
2	C	≀ and ≀ scattered about hor., except in W.	
1	K	Pieces of ≀ and light ≀ scattered here and there.	
1	K	" "	
1	K	Clouded around hor.	
1	K	"	
0	L	A few clouds in hor.	
0	L	"	
0	L	"	
0	L	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°3 and 82°8.
0	C	A few ≀ scattered here and there.	
0	C	A few ≀ in E and about zth.	
0	C	A few ≀ scattered around hor.	
0	C	A few ≀ in N and W hor.	
0	K	"	
1	K	≀ above N hor.; ≀ from WNW to NE hor.; ≀ in SE hor.	
2	K	≀ scattered about hor. from W to NE; mist and fog in hor.	
2	K	≀ scattered about hor. from W to E; mist and fog in hor.	
4	L	≀ scattered about, moving E.	
3	L	≀ scattered about, moving NE.	
3	L	" "	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of time in recovering the same decree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 28th-Noon.	29.979	29.383	85°6	71°2	14°4	63°9	0.50	83°6	80°3	E b N	0.2					
1 p. m.	.948	.462	85.6	68.0	17.6	57.8	.41	83.9	80.3	E	0.1					
2 „	.929	.253	86.3	73.6	12.7	67.8	.55	83.9	80.5	„	0.1					
3 „	.924	.196	85.8	74.8	11.0	70.0	.61	83.6	80.7	W	0.1					
4 „	.930	.186	85.0	75.0	10.0	70.7	.64	83.0	80.7	WNW	0.1					
5 „	.938	.194	81.5	74.0	7.5	70.7	.71	80.9	80.6	„	0.1					
6 „	.949	.205	79.9	73.5	6.4	70.7	.75	79.9	80.5	„	0.1	None.			None.	
7 „	.970	.206	79.7	74.0	5.7	71.5	.77	79.6	80.4	N b W	0.3					
8 „	.989	.230	78.5	73.5	5.0	71.3	.80	78.6	80.3	N	0.3					
9 „	.997	.210	77.6	74.0	3.6	72.5	.85	77.9	80.1	„	0.3		+	3		1.31
10 „	.997	.302	76.0	71.0	5.0	68.6	.79	75.9	79.8	„	0.0		+	4		0.33
11 „	.981	.327	73.8	69.4	4.4	66.8	.81	74.8	79.4	N b E	0.2					
Nov. 30th-Midnight	.945	.161	75.2	73.2	2.0	72.2	.91	75.0	78.5	W b N	0.0					
1 a. m.	.926	.148	74.4	72.8	1.6	72.1	.93	74.4	78.5	„	0.1					
2 „	.921	.192	73.6	71.2	2.4	70.1	.89	74.4	78.2	SSE	0.0					
3 „	.918	.176	73.0	71.4	1.6	70.6	.93	73.9	78.2	„	0.0					
4 „	.923	.178	72.8	71.4	1.4	70.7	.94	73.4	78.0	„	0.0					
5 „	.942	.205	72.2	71.0	1.2	70.4	.95	73.0	77.6	SE b E	0.0					
6 „	.952	.213	72.0	71.0	1.0	70.5	.95	72.6	77.4	„	0.2					
7 „	.970	.262	72.0	70.1	1.9	69.2	.91	72.5	77.3	„	0.2					
8 „	.998	.281	74.0	71.0	3.0	69.6	.87	73.9	77.3	„	0.1					
9 „	30.007	.305	75.4	71.0	4.4	68.9	.81	75.2	77.4	„	0.1					
10 „	29.999	.278	77.6	72.2	5.4	69.7	.78	76.8	77.6	„	0.1					
11 „	.983	.304	78.8	71.4	7.4	67.9	.70	78.2	77.8	„	0.0	None.				
Noon.	.949	.252	80.8	72.5	8.3	68.7	.68	79.5	78·2	„	0.0					
1 p. m.	.916	.230	81.8	72.5	9.3	68.2	.65	80.1	78.5	NW b W	0.1					
2 „	.900	.225	82.4	72.4	10.0	67.7	.63	80.6	78.7	„	0.1					
3 „	.887	.182	82.8	73.3	9.5	69.0	.64	80.9	78.9	„	0.1					
4 „	.892	.169	82.8	73.8	9.0	69.8	.66	81.0	79.0	WNW	0.1					
5 „	.910	.199	79.5	72.5	7.0	69.3	.72	78.9	79.0	NW b W	0.1					
6 „	.928	.221	78.2	72.0	6.2	69.1	.75	78.0	78.6	NW	0.1					
7 „	.943	.213	77.8	72.5	5.3	70.1	.78	77.7	78.5	„	0.1					
8 „	.956	.221	77.3	72.5	4.8	70.3	.80	77.4	78.5	N b W	0.1					
9 „	.964	.233	76.0	72.0	4.0	70.2	.83	76.2	78.4	„	0.0		+	9	8	2.20
10 „	.968	.250	74.6	71.2	3.4	69.6	.85	74.8	78.3	N	0.0		+	6	5	5.10
11 „	.966	.264	73.8	70.5	3.3	68.9	.86	74.0	78.0	„	0.0		+	1		Above 10m.
Dec. 1st-Midnight	.958	.265	73.0	70.0	3.0	68.5	.87	73.8	77.7	N	0.0		+	6		2.13
1 a. m.	.938	.181	73.6	72.0	1.6	71.2	.93	74.0	77.7	NE b E	0.0					
2 „	.932	.177	73.8	72.0	1.8	71.2	.92	74.4	77.7	„	0.0					
3 „	.923	.195	73.0	71.0	2.0	70.0	.91	73.6	77.5	„	0.0					
4 „	.930	.185	72.8	71.4	1.4	70.7	.94	73.5	77.4	„	0.0		+	3		Above. 10m.
5 „	.951	.225	72.2	70.7	1.5	69.9	.93	72.9	77.1	„	0.1					
6 „	.974	.263	71.4	70.0	1.4	69.3	.94	72.0	76.9	„	0.0					
7 „	.998	.265	72.5	71.0	1.5	70.2	.93	73.2	76.8	NNE	0.1					
8 „	30.023	.281	75.0	72.0	3.0	70.6	.87	74·8	77.0	„	0.0		+	9	8	2.12
9 „	.035	.315	77.0	72.0	5.0	69.7	.79	76.5	77.4	„	0.0		+	4		4.20
10 „	.037	.323	79.2	72.5	6.7	69.4	.73	78.2	77.7	„	0.1					
11 „	.017	.256	80.0	74.0	6.0	71.4	.76	78.5	77.9	NNW	0.1	None.	+	2		1.30
Noon.	29.980	.244	80.6	73.5	7.1	70.4	.72	79.5	78.0	NE b N	0·0					
1 p. m.	.943	.213	82.2	73.8	8.4	70.1	.68	80.5	78.5	WNW	0.2					
2 „	.923	.188	83.0	74.2	8.8	70.3	.67	81.6	78.7	NW b W	0.3					
3 „	.907	.166	83.2	74.4	8.8	70.6	.67	81.5	79.0	„	0.2					
4 „	.905	.163	82.1	74.1	8.0	70.6	.69	80·4	79.0	NW	0.4					
5 „	.922	.187	79.4	73.1	6.3	70.3	.75	78.8	78.8	NW b N	0.3					
6 „	.935	.171	78.0	73.5	4.5	71.5	.81	77.9	78.5	„	0.1					
7 „	.937	.150	77.6	74.0	3.6	72.5	.85	77.5	78.5	„	0.5					
8 „	.955	.161	77.4	74.1	3.3	72.8	.86	77.3	78.4	NW	0·3					
9 „	.964	.168	76.2	73.8	2.4	72.8	.90	76.0	78.4	NNW	0.2		+	20	20	1.20
10 „	.962	.172	75.0	73.3	1.7	72.6	.93	74.8	78.3	N	0.1		+	8	6	3.10
11 „	.947	.230	74.0	71.0	3.0	69.6	.87	74.2	78.0	„	0.0		+	2		5.00

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌐ cumuli; ⌐ cirro-strati; ⌐ cumulo-strati; and ⌐ nimbi.	
3	L	⌐ scattered about, moving NE.	
3	C	⌐ scattered about, moving E.	
0	C	Clear.	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	K	A few clouds in E, SE, and S hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°3 and 82°7. The range of Wet Bulb Thermometer was 2°7, the lowest during this month.
0	L	Clear; dew falling.	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	A few ⌐ from NE to SE hor.	
0	C	Mist around hor.	
0	C	"	
0	K	"	
0	K	"	
0	K	A few ⌐ in SE hor.	
0	K	Pieces of ⌐ in E, SE, and SSE hor.	
0	L	Pieces of ⌐ in E and SE hor.	
0	L	"	
0	L	Pieces of ⌐ in NE and E hor.	
0	L	"	
0	C	"	
0	C	"	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°3 and 82°6.
0	L	Clear; dew falling.	
0	L	" "	
0	L	A few ⌐ in NE and E; dew falling.	
0	L	" "	
1	C	⌐ along E hor.; ⌐ scattered in E and SE.	
1	C	Pieces of ⌐ and ⌐ scattered here and there.	
1	C	⌐ from N to SE hor.; ⌐ in remainder of hor.	
1	C	" "	
1	K	⌐ scattered along E hor. and in E; light haze from N to S hor.	
1	K	⌐ around hor. and in N; haze along E hor.	
1	K	⌐ and ⌐ scattered about hor. from N to SSW.	
1	K	⌐ and ⌐ scattered along E hor.	
1	L	⌐ and ⌐ scattered from N to SW.	
2	L	"	
2	L	⌐ along E hor.; ⌐ scattered about zth.	
1	L	⌐ along E hor.; ⌐ scattered in N, NE, and S.	
0	C	A few patches of ⌐ in E and SE hor.; ⌐ in ESE and W hor.	
0	C	⌐ scattered along W hor. and also above E hor.	
0	C	Clear.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	

Bombay Civil Time. ● 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.		
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 2nd-Midnight	29.942	29.227	72°6	70°5	2°1	69°5	0.91	74°0	77°6	N	0·0					
1 a. m.	.919	.155	73.0	72.0	1.0	71.5	.95	74.0	77.6	N b E	0·0					
2 „	.909	.164	72.8	71.4	1.4	70.7	.94	73.8	77.5	„	0.0					
3 „	.900	.170	72.2	70.8	1.4	70.1	.94	73.4	77.3	„	0.0					
4 „	.909	.194	71.0	70.0	1.0	69.5	.95	72.7	77.1	„	0.1					
5 „	.926	.222	70.8	69.6	1.2	69.0	.94	72.0	76.8	„	0.0					
6 „	.944	.281	69.6	68.0	1.6	67.2	.93	71.0	76.5	„	0.0					
7 „	.960	.271	71.8	69.5	2.3	68.3	.90	72.5	76.4	NNE	0.0					
8 „	.987	.232	74.8	72.3	2.5	71.2	.89	74.5	76.5	„	0.1					
9 „	30.001	.274	76.4	72.0	4.4	70.0	.81	76.0	77.0	„	0·1					
10 „	29.999	.300	77.6	71.6	6.0	68.8	.75	76.5	77.1	„	0.0					
11 „	.974	.296	78.2	71.2	7.0	67.8	.72	77.4	77.1	„	0.2	None.	None.	None.	None.	None.
Noon.	.938	.218	80.4	73.0	7.4	69.7	.71	79.0	77.5	NNW	0·1					
1 p. m.	.897	.168	81.6	73.6	8.0	70.1	.69	80.0	78.0	NW b N	0.1					
2 „	.880	.127	82.8	74.6	8.2	71.1	.69	81.0	78.3	NW b W	0·4					
3 „	.872	.084	82.4	75.4	7.0	72.5	.73	80.9	78.5	NW	0.5					
4 „	.874	.093	81.6	75.0	6.6	72.2	.74	80.2	78.6	„	0·5					
5 „	.884	.110	78.8	74.0	4.8	71.9	.80	78.0	78.5	„	0·3					
6 „	.907	.127	77.6	73.8	3.8	72.2	.84	77.4	78.1	NW b N	0.3					
7 „	.929	.133	77.2	74.1	3.1	72.8	.87	77.0	78.0	NNW	0.3					
8 „	.943	.147	76.8	74.0	2.8	72.8	.88	76.9	78.0	„	0.3					
9 „	.951	.158	75.8	73.6	2.2	72.7	.90	75.8	78.0	N b W	0.2					
10 „	.949	.195	74.0	72.0	2.0	71.1	.91	74.2	77.8	N b E	0.2					
11 „	.946	.270	73.0	69.5	3.5	67.8	.85	73.5	77.5	NNE	0.0					
Dec. 3rd-Midnight	.932	.235	72.6	70.0	2.6	68·7	.88	73.2	77.4	NNE	0.0					
1 a. m.	.917	.199	72.6	70.6	2.0	69.6	.91	73.5	77.2	„	0.0		+	2		Above 10m.
2 „	.905	.179	73.2	71.0	2.2	69.9	.90	73.8	77.2	„	0.0					
3 „	.905	.212	71.8	69.6	2.2	68.5	.90	72.6	77.0	NE b N	0.0					
4 „	.909	.270	70.0	67.4	2.6	66.0	.88	71.5	76.5	„	0.0					
5 „	.923	.282	68.6	67.0	1.6	66.1	.93	70.0	76.0	„	0.0					
6 „	.944	.278	68.4	67.7	0.7	67.3	.96	70.0	75.8	„	0.0					
7 „	.960	.331	69.7	67.0	2.7	65.5	.88	70.5	75.7	„	0.0					
8 „	.989	.265	75.0	71.5	3.5	69.9	.85	74.5	75.9	„	0.0		+	5	4	2.35
9 „	30.004	.275	76.2	72.0	4.2	70.1	.82	75.3	76.2	„	0.0					
10 „	29.999	.297	77.0	71.5	5.5	68.9	.77	76.0	76.5	„	0.1	None.	+	3		0.45
11 „	.990	.261	78.2	72.6	5.6	70.1	.77	77.0	76.8	„	0.0		+	2		Above 10m.
Noon.	.962	.292	79.6	71.4	8.2	67.8	.68	78.5	77.0	NW	0.2					
1 p. m.	.928	.213	80.8	73.0	7.8	69.5	.70	79.4	77.4	NW b W	0.2					
2 „	.909	.169	81.9	74.0	7.9	70.5	.70	80.2	77.7	NW	0.1					
3 „	.906	.154	82.2	74.4	7.8	71.0	.70	80.4	78.0	„	0.1					
4 „	.904	.149	81.2	74.2	7.0	71.2	.73	79.7	78.1	„	0.3					
5 „	.917	.173	78.2	73.0	5.2	70.7	.79	77.6	78.0	NW b N	0.2					
6 „	.941	.200	76.8	72.5	4.3	70.6	.82	76.6	77.7	„	0.1					
7 „	.961	.230	76.0	72.0	4.0	70.2	.83	76.1	77.5	„	0.1		+	1		Above 10m.
8 „	.983	.237	73.7	71.7	2.0	70.8	.91	74.2	77.1	„	0.0		+	3		4.30
9 „	.985	.257	73.0	71.0	2.0	70.0	.91	73.2	77.0	„	0.0		+	15	15	0.55
10 „	.982	.245	72.2	71.0	1.2	70.4	.95	72.8	76.9	NNW	0·0		+	5	4	5.25
11 „	.969	.230	72.0	71.0	1.0	70.5	.95	72.0	76.7	„	0.1		+	5	4	4.10
Dec. 4th-Midnight	.958	.228	72.8	71.0	1.8	70.1	.92	73.0	76.5	NNW	0.1		+	2		5.00
1 a. m.	.929	.190	72.0	71.0	1.0	70.5	.95	72.8	76.5	„	0.0					
2 „	.908	.169	72.0	71.0	1.0	70.5	.95	73.0	76.5	N b W	0.1		+	2		Above 10m.
3 „	.901	.205	71.2	69.5	1.7	68.6	.92	72.3	76.4	„	0.0					
4 „	.910	.233	69.6	68.4	1.2	67.8	.94	71.2	76.1	„	0·0					
5 „	.926	.228	70.7	69.4	1.3	68.7	.94	71.9	75.8	„	0.0					
6 „	.943	.251	70.0	69.0	1.0	68.5	.95	71.0	75.6	„	0.0	None.			None.	
7 „	.971	.297	71.6	69.0	2.6	67.7	.88	72.0	75.6	NE	0·2					
8 „	.994	.285	73.8	70.7	3.1	69.2	.86	73.7	75.9	ENE	0.1					
9 „	.996	.280	75.8	71.5	4.3	69.5	.82	75.2	76.0	„	0.1					
10 „	.985	.249	77.2	72.5	4.7	70.4	.80	76.5	76.3	„	0.2					
11 „	.964	.220	78 8	73.2	5.6	70.7	.77	77.5	76.5	„	0·1		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∿ cumulo-strati; and ≀∿ nimbi.	
0	K	Clear, except in hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°1 and 82°5.
0	L	A few ∿ in NE and E hor.; dew falling.	
0	L	∿ scattered from NE to SW hor.; dew falling.	
1	L	∿ scattered about hor.; dew falling.	
1	L	∿ and ≀∿ scattered about hor.; dew falling.	
1	C	∿ scattered about hor.; ≀∿ in E; dew falling	
2	C	A few ∿ in W hor.; pieces of ≀∿ scattered about.	
2	C	≀∿ scattered about hor.; mist and fog in hor.	
2	C	≀∿ scattered about, moving N; mist and fog in hor.	
2	K	" " "	
2	K	≀∿ scattered about, moving N.	
2	K	" "	
0	K	Clear, except in hor.	
0	L	Pieces of ≀∿ along E hor.	
1	L	A few ∿ in W; pieces of ≀∿ along E hor.	
1	L		
1	L	A few ∿ in NW; ≀∿ scattered from N to S hor.	
1	C	≀∿ scattered in E hem.; a few ∿ in E of zth.	
0	C	A few patches of ≀∿ above N hor.; a few ∿ in NE hor.	
0	C	Clear, except in hor.	
0	C	" "	
0	K	A few pieces of clouds in E, SE, and S hor.	
0	K		
0	K	" "	
		" "	
0	K	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 80°0 and 82°3. The range of Barometer was 0.100, the lowest during this month.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	A few pieces of clouds in E hor.	
0	C	A few pieces of clouds along E hor.	
0	C	A few pieces of clouds along E hor.; mist and fog in hor.	
0	C	"	
0	K	A few pieces of clouds and haze along E hor. "	
0	K	" "	
0	K	A few ∿ in SE hor.	
0	K	A few patches of ≀∿ in E hor.	
0	L	Patches of ≀∿ along E hor.	
0	L	"	
0	L	"	
0	L	"	
0	C	A few pieces of clouds in NE and E hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	K	"	
0	K	Clear; dew falling.	
0	K	" "	
0	K	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°5 and 82°2.
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	A few clouds in SE, S, W, NE, and E hor.	
0	C	≀∿ along E hor.; mist in hor.	
0	C	≀∿ above E hor.; mist in hor.	
0	K	" "	
0	K	≀∿ above NE and E hor.; mist in hor.	
0	K	Pieces of ≀∿ along NE hor.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 4th-Noon.	29.932	29.202	80°8	73°4	7°4	70°1	0.71	79°0	77°0	ENE	0.0		+	1		Above 10m.
1 p. m.	.900	.178	82.2	73.6	8.6	69.8	.67	80.3	77.4	„	0.1					
2 „	.882	.105	83.4	75.4	8.0	72.0	.70	81.3	77.8	NW b W	0.2					
3 „	.878	.081	83.0	75.8	7.2	72.9	.73	81.0	78.0	W b N	0.2					
4 „	.883	.113	82.6	75.0	7.6	71.8	.71	80.6	78.2	„	0.1					
5 „	.890	.122	79.4	74.0	5.4	71.7	.78	78.5	78.0	WNW	0.1	None.			None.	
6 „	.907	.140	77.4	73.4	4.0	71.6	.83	77.2	77.9	„	0.2		+	2		Above 10m.
7 „	.920	.119	77.6	74.6	3.0	73.3	.87	77.0	77.8	„	0.0		+	3		Above 10m.
8 „	.945	.126	76.8	74.6	2.2	73.7	.91	76.5	77.7	NW b W	0.0		+	4		2.10
9 „	.957	.152	76.0	74.0	2.0	73.2	.91	75.8	77.6	„	0.0		+	2		Above 10m.
10 „	.954	.140	75.2	74.0	1.2	73.5	.95	75.2	77.5	„	0.0					
11 „	.945	.129	75.0	74.0	1.0	73.6	.96	75.1	77.5	„	0.0					
Dec. 6th-Midnight	.932	.199	73.2	71.2	2.0	70.2	.91	73.8	77.2	W	0.0					
1 a. m.	.915	.115	74.8	73.5	1.3	73.0	.94	74.8	77.4	SW b S	0.2					
2 „	.899	.109	74.0	73.0	1.0	72.6	.96	74.3	77.2	S	0.1					
3 „	.895	.096	73.8	73.2	0.6	73.0	.97	74.0	77.2	S b W	0.1					
4 „	.895	.098	73.4	73.0	0.4	72.9	.98	73.8	77.1	„	0.1					
5 „	.910	.144	72.8	72.0	0.8	71.6	.96	73.4	76.6	„	0.1					
6 „	.939	.145	72.8	72.6	0.2	72.8	.99	73.4	76.5	S b E	0.1					
7 „	.969	.165	73.5	73.0	0.5	72.8	.98	73.8	76.7	„	0.0					
8 „	.981	.208	75.5	73.0	2.5	71.9	.89	75.3	76.9	„	0.0					
9 „	.995	.238	77.0	73.0	4.0	71.2	.83	76.6	77.0	„	0.1					
10 „	.990	.244	78.0	73.0	5.0	70.8	.79	77.2	77.2	„	0.1					
11 „	.968	.236	78.8	72.8	6.0	70.1	.76	78.0	77.5	„	0.1	None.	None.	None.	None.	None.
Noon.	.937	.203	80.4	73.4	7.0	70.3	.72	79.2	77.6	W b S	0.1					
1 p. m.	.909	.148	81.8	74.5	7.3	71.4	.72	80.4	78.0	WNW	0.2					
2 „	.892	.126	82.0	74.2	7.8	71.6	.70	80.7	78.3	„	0.4					
3 „	.883	.144	82.0	74.0	8.0	70.5	.69	80.4	78.5	„	0.2					
4 „	.887	.148	81.0	73.7	7.3	70.5	.72	79.6	78.5	„	0.2					
5 „	.909	.200	78.0	72.0	6.0	69.2	.76	77.5	78.3	„	0.1					
6 „	.926	.238	76.6	71.0	5.6	68.3	.77	76.5	78.0	„	0.1					
7 „	.947	.245	76.0	71.2	4.8	68.9	.80	76.2	77.9	NW b W	0.0					
8 „	.967	.270	75.8	71.0	4.8	68.7	.80	76.0	77.8	NW b N	0.0					
9 „	.983	.290	76.2	71.0	5.2	68.5	.78	76.0	77.8	„	0.2					
10 „	.977	.285	76.3	71.0	5.3	68.5	.78	76.1	77.6	„	0.1					
11 „	.965	.252	76.0	71.5	4.5	69.4	.81	76.0	77.6	N b E	0.1					
Dec. 7th-Midnight	.949	.263	75.2	70.5	4.7	68.2	.81	75.0	77.5	N	0.1					
1. a. m.	.940	.241	75.6	71.0	4.6	68.8	.80	75.8	77.5	„	0.0					
2 „	.933	.217	75.4	71.4	4.0	69.5	.83	75.5	77.5	NNE	0.0					
3 „	.919	.204	74.2	71.0	3.2	69.5	.86	74.5	77.4	„	0.0					
4 „	.932	.217	74.2	71.0	3.2	69.5	.86	74.6	77.3	„	0.0					
5 „	.951	.214	73.0	71.5	2.4	70.4	.89	74.0	77.1	„	0.0					
6 „	.971	.245	73.7	71.1	2.6	69.9	.89	73.9	77.0	„	0.1					
7 „	.995	.228	74.8	72.6	2.2	71.6	.90	75.0	77.0	NE	0.1					
8 „	30.017	.276	76.2	72.6	3.6	70.6	.85	76.0	77.1	„	0.1					
9 „	.026	.276	77.0	72.8	4.2	71.0	.82	76.8	77.4	„	0.2					
10 „	.014	.270	78.2	73.0	5.2	70.7	.79	77.5	77.5	„	0.2					
11 „	29.987	.242	79.4	73.4	6.0	70.7	.76	78.4	77.6	„	0.1	None.	None.	None.	None.	None.
Noon.	.955	.205	81.0	74.0	7.0	71.0	.73	80.0	78.0	WNW	0.3					
1 p. m.	.921	.185	81.6	73.8	7.8	70.4	.70	80.0	78.3	NW b W	0.5					
2 „	.910	.162	81.2	74.0	7.2	70.9	.72	80.0	78.4	„	0.4					
3 „	.899	.168	81.0	73.5	7.5	70.2	.71	79.6	78.5	NW	0.6					
4 „	.901	.177	80.0	73.0	7.0	69.9	.72	78.8	78.5	„	0.5					
5 „	.925	.233	76.9	71.2	5.7	68.8	.76	76.5	78.3	NW b N	0.4					
6 „	.937	.262	75.6	70.3	5.3	67.7	.78	75.6	78.0	„	0.6					
7 „	.954	.252	75.4	71.0	4.4	68.9	.81	75.5	78.7	„	0.4					
8 „	.968	.262	75.0	71.0	4.0	69.1	.83	75.0	87.6	NNW	0.3					
9 „	.974	.301	73.6	69.5	4.0	67.6	.83	73.5	77.4	N	0.3					
10 „	.976	.314	73.4	69.2	4.2	67.1	.82	73.3	77.2	„	0.2					
11 „	.968	.307	72.8	69.0	3.8	67.1	.83	72.8	77.0	„	0.2					

Amount of Clouds, 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌐ cumuli; ⌐ cirro-strati; ⌐ cumulo-strati; and ⌐ nimbi.	
0	K	A few pieces of clouds in NE and SE hor.	
0	L	A few pieces of clouds in E and SE hor.	
0	L	" "	
0	L	A few pieces of clouds in N, NE, and E hor.	
0	L	" "	
0	K	" "	
0	K	" "	
0	K	Clear, except in hor.	
0	K	" "	
0	K	Pieces of ⌐ scattered about; ⌐ above E hor.	
0	K	Patches of ⌐ scattered about; dew falling.	
0	K	" "	
2	K	⌐ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°4 and 82°1.
2	L	⌐ scattered around hor. and a few about zth., moving N.	
2	L	" " "	
2	L	⌐ scattered about hor., moving N.	
2	L	" "	
2	C	" "	
2	C	⌐ scattered about hor. and in E hem.	
2	C	⌐ scattered about hor.; mist in hor.	
2	C	" "	
5	C	⌐ scattered about.	
6	K	⌐ and ⌐ scattered throughout, former moving N, latter moving E.	
4	K	⌐ and ⌐ scattered about hor.	
6	K	⌐ scattered throughout, moving N.	
5	L	⌐ and ⌐ scattered about, moving NW.	
5	L	⌐ and ⌐ scattered about.	
5	L	"	
4	L	⌐ around hor.; ⌐ scattered about.	
4	C	" "	
3	C	⌐ and ⌐ scattered about hor.	
1	C	⌐ scattered about hor.	
4	C	⌐-like clouds scattered about, moving E.	
5	K	" "	
5	K	⌐-like clouds scattered about, moving NE.	
5	K	" "	
6	K	⌐-like clouds scattered throughout, moving N.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°2 and 82°2.
8	L	Overcast with ⌐ and ⌐, former moving N; a few stars dimly visible.	
5	L	⌐ and ⌐ scattered about, former moving N.	
2	L	⌐ scattered around hor., moving N.	
3	L	" "	
5	C	⌐ and ⌐ scattered about, both moving N.	
7	C	⌐ scattered throughout, moving N.	
7	C	⌐ and ⌐ scattered throughout, latter moving N.	
6	C	" "	
6	K	⌐ and ⌐ scattered throughout, latter moving N, former E.	
5	K	⌐ and ⌐ scattered about, former moving NE.	
4	K	⌐ scattered about, moving E.	
5	K	⌐ and ⌐ scattered about, latter moving N.	
5	L	" "	
5	L	" "	
3	L	⌐ and ⌐ scattered about hor.	
2	L	⌐ around hor.; ⌐ scattered here and there.	
4	C	⌐ around hor.; ⌐ scattered about, moving NE.	
3	C	" " "	
3	C	⌐ scattered about.	
3	C	Dense ⌐ in W hem., moving ESE.	
2	K	Dense ⌐ scattered about, moving SE.	
2	K	⌐ scattered about, moving N.	
3	K	⌐ scattered about, moving NE.	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of		Interval of Time in recovering the same degree of tension after discharge.
														Straws of Volta 1.	Straws of Volta 2.	
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 8th-Midnight	29.951	29.288	72·6	69·0	3·6	67·2	0.84	72·8	76·8	N	0·2					
1 a. m.	.934	.283	72.2	68.5	3.7	66.6	.84	72.4	76.8	„	0·1					
2 „	.935	.274	71.6	68.6	3.0	67.1	.87	72.4	76.6	„	0·1					
3 „	.931	.263	71.6	68.8	2.8	67.4	.87	72.4	76.4	N b E	0.1					
4 „	.935	.258	71.4	69.0	2.4	67.8	.89	72.3	76.2	„	0.1					
5 „	.941	.277	70.8	68.4	2.4	67.2	.89	71.6	76.0	NNE	0.1					
6 „	.949	.290	70.0	68.0	2.0	67.0	.91	71.0	75.6	„	0.0					
7 „	.968	.250	70.7	70.0	0.7	69.6	.96	71.6	75.6	„	0.0					
8 „	.995	.260	74.0	71.5	2.5	70.3	.89	74.1	76.0	„	0.0					
9 „	30.006	.271	75.6	72.0	3.6	70.3	.85	75.5	76.1	„	0·2					
10 „	29.993	.266	76.4	72.0	4.4	70.0	.81	76.0	76.4	NE b N	0.0					
11 „	.975	.281	77.8	71.5	6.3	68.6	.74	77.5	76.6	„	0.1	None.	None.	None.	None.	None.
Noon.	.939	.206	79.2	73.0	6.2	70.2	.75	78.0	76.9	W	0.1					
1 p. m.	.905	.183	80.8	73.2	7.6	69.8	.70	79.4	77.3	NW	0.2					
2 „	.877	.172	80.7	72.7	8.0	69.0	.69	79.3	77.5	„	0·2					
3 „	.869	.204	80.7	71.6	9.1	67.2	.65	79.2	77.7	NW b W	0·2					
4 „	.863	.197	79.9	71.4	8.5	67.3	.67	78.4	77.8	WNW	0·1					
5 „	.883	.208	77.8	71.0	6.8	67.7	.73	77.1	77.5	NW b W	0·0					
6 „	.895	.204	76.4	71.0	5.4	68.4	.77	76.2	77.4	„	0·0					
7 „	.910	.216	75.4	70.8	4.6	68.6	.80	75.5	77.3	NW b N	0·0					
8 „	.918	.236	74.0	70.0	4.0	68.0	.83	74.2	77.0	„	0·0					
9 „	.925	.270	73.4	69.0	4.4	66.8	.81	73.6	77.0	NNW	0·0					
10 „	.918	.289	72.2	67.8	4.4	65.5	.81	72.4	76.5	N	0·0					
11 „	.894	.239	72.8	68.8	4.0	66.8	.82	72.5	76.5	N b E	0·0					
Dec. 9th-Midnight	.880	.204	73.0	69.5	3.5	67.8	.85	72.5	76.4	NE b N	0.1					
1 a. m.	.868	.200	72.2	69.0	3.2	67.4	.86	72.7	76.4	NE	0.1					
2 „	.863	.208	71.6	68.4	3.2	66.8	.86	71.9	76.2	„	0.0					
3 „	.854	.195	70.6	68.2	2.4	67.0	.89	71.0	76.0	„	0.0					
4 „	.858	.161	70.8	69.4	1.4	68.7	.92	71.8	75.8	„	0.1					
5 „	.866	.169	71.4	69.6	1.8	68.7	.92	71.8	75.6	„	0.1					
6 „	.886	.200	71.2	69.2	2.0	68.2	.91	71.4	75.5	NE b E	0.1					
7 „	.920	.261	70.0	68.0	2.0	67.0	.91	70.5	75.4	„	0.0					
8 „	.952	.276	73.0	69.5	3.5	67.8	.85	73.0	75.4	„	0.2					
9 „	.965	.316	74.6	69.2	5.4	66.5	.77	74.4	75.6	ENE	0.3					
10 „	.964	.322	77.6	70.0	7.6	66.2	.69	77.0	76.0	„	0·2					
11 „	.947	.345	79.4	69.4	10.0	64.2	.61	78.2	76.4	„	0·1	None.	None.	None.	None.	None.
Noon.	.913	.345	79.8	68.5	11.3	62.5	.57	78.6	76.6	„	0.0					
1 p. m.	.882	.244	80.9	70.9	10.0	66.0	.62	79.5	77.0	W b N	0.2					
2 „	.869	.252	82.3	70.8	11.5	65.0	.57	80.6	77.3	WNW	0·3					
3 „	.855	.238	83.0	71.0	12.0	65.0	.56	81.0	77.6	„	0.2					
4 „	.864	.242	80.8	70.4	10.4	65.3	.61	79.0	77.7	„	0.1					
5 „	.883	.210	78.0	71.0	7.0	67.6	.72	77.5	77.5	W b N	0.1					
6 „	.891	.196	76.0	71.0	5.0	68.6	.79	75.9	77.3	W	0·0					
7 „	.913	.200	74.4	71.0	3.4	69.4	.85	74.9	77.0	„	0·0					
8 „	.924	.206	74.6	71.2	3.4	69.6	.85	75.0	76.9	W b N	0·0					
9 „	.932	.227	73.5	70.5	3.0	69.0	.87	73.8	76.7	„	0.0					
10 „	.928	.200	73.0	71.0	2.0	70.0	.91	73.5	76.5	WNW	0·0					
11 „	.922	.314	71.6	67.0	4.6	65.0	.80	72.0	76.3	NW	0·1					
Dec. 10th-Midnight	.904	.263	72.2	68.2	4.0	66.1	.82	72.6	76.2	N b E	0.0					
1 a. m.	.887	.210	72.4	69.4	3.0	67.9	.87	72.5	76.2	NNE	0.0					
2 „	.885	.228	72.0	68.6	3.4	66.9	.85	72.4	76.1	„	0.0					
3 „	.880	.250	71.4	67.6	3.8	65.6	.83	71.8	75.9	„	0.1					
4 „	.887	.230	71.4	68.4	3.0	66.9	.87	71.7	75.8	NE b N	0.1					
5 „	.906	.279	70.2	67.1	3.1	65.4	.86	70.7	75.5	„	0.1	None.			None.	
6 „	.930	.317	69.4	66.4	3.0	64.8	.86	70.0	75.1	„	0.2					
7 „	.961	.374	70.6	66.0	4.6	63.4	.79	71.0	75.0	NE	0.2					
8 „	.995	.417	73.2	66.6	6.6	63.0	.72	73.0	75.2	NE b E	0·3					
9 „	30.007	.434	76.0	67.4	8.6	62.7	.65	75.2	75.5	„	0·3		+	3		5.10
10 „	.005	.392	78.4	69.4	9.0	64.8	.65	77.8	75.8	„	0.2		+	2		Above 10m.
11 „	29.982	.315	81.8	72.0	9.8	67.3	.63	80.2	76.4	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩ cumulo-strati; and ≀∩ nimbi.	Remarks.
1	K	Light ≀ here and there observed.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°2. The range of Barometer was 0.143, the greatest during this month.
1	L	Light ≀ scattered around hor.	
1	L	,,	
1	L	,,	
1	L	,,	
2	C	≀ scattered in E, SE, and S.	
5	C	≀ scattered about.	
8	C	Overcast with ≀ and ≀≀, latter moving E.	
7	C	≀ scattered throughout.	
7	K	,,	
7	K	,,	
7	K	,,	
7	K	,,	
7	L	≀ scattered throughout, moving NE.	
8	L	,, ,,	
7	L	≀ scattered throughout, moving E.	
7	L	,, ,,	
8	C	,, ,,	
8	C	Overcast; a few stars dimly visible.	
4	C	≀ scattered about.	
5	C	,,	
3	K	≀ scattered about hor.	
0	K	Clear, except in hor.	
0	K	,, ,,	
0	K	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 79°0 and 82°2. The range of Wet Bulb Thermometer was 4°2, the lowest during this month.
1	L	≀ scattered around hor.	
1	L	,,	
1	L	,,	
2	L	≀ scattered around hor., E, and SE.	
3	C	≀ scattered about hor.; dew falling.	
8	C	Overcast with ≀ and ≀≀.	
8	C	Overcast with ≀ and ≀≀, latter moving ENE; mist in hor.	
8	C	,, ,, ,,	
7	K	≀ and ≀≀ scattered throughout, latter moving ENE; mist in hor.	
6	K	≀ scattered throughout, moving E; mist in hor.	
5	K	≀ scattered about; mist in hor.	
7	K	≀ scattered throughout.	
7	L	≀ scattered throughout, moving E.	
6	L	,, ,,	
6	L	,, ,,	
6	L	,, ,,	
7	C	,, ,,	
5	C	,, ,,	
1	C	A few ≀ above WSW and W hor.	
0	C	Clear.	
0	K	,,	
1	K	A few ≀ scattered here and there; dew falling.	
0	K	Clear; dew falling.	
0	K	Clear, except in hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°9 and 82°0.
1	L	≀ scattered around hor.; dew falling.	
1	L	,, ,,	
1	L	,, ,,	
1	L	,, ,,	
1	C	,, ,,	
3	C	≀ scattered about hor. and in W, moving E.	
3	C	≀ scattered about, mist in hor.	
3	C	,, ,,	
3	K	,, ,,	
3	K	,, ,,	
2	K	≀ scattered about.	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 10th-Noon.	29.951	29.319	85°0	72°0	13°0	65°7	0.54	83°2	77°0	ENE	0.2					
1 p. m.	.919	.305	86.0	71.8	14.2	64.8	.51	83.6	77.7	E b S	0.3					
2 „	.897	.430	84.4	70.0	14.4	62.4	.49	82.3	77.9	„	0·1					
3 „	.891	.308	85.4	70.8	14.6	63.2	.49	83.0	78.2	„	0.1					
4 „	.892	.309	85.4	70.8	14.6	63.2	.49	83.2	78.5	„	0.1					
5 „	.905	.151	82.4	74.5	7.9	71.1	.70	80.7	78.4	NNE	0.1					
6 „	.920	.138	80.1	74.6	5.5	72·2	.78	79.2	78.2	NW	0.1	None.				
7 „	.939	.145	78.8	74.5	4·3	72.8	.82	78.6	78.1	NNW	0.1		+	1		3.10
8 „	.953	.170	78.0	74.0	4.0	72.3	.83	77.8	78.0	N b W	0.0		+	1		0.49
9 „	.957	.243	75.6	71.4	4.2	69.4	.82	75.8	78.0	N	0.0		+	2	3	3.52
10 „	.948	.249	74.0	70.5	3.5	68.8	.85	74.5	77.5	„	0.0		+	10	8	0.50
11 „	.946	.320	73.0	68.0	5.0	65.4	.78	73.5	77.4	„	0.0		+	8	6	4.20
Dec. 11th-Midnight	.932	.290	73.0	68.5	4.5	66.2	.80	73.0	77.0	NNE	0.0		+	4		2.10
1 a. m.	.916	.263	74.8	69.4	5.4	66.7	.77	74.7	77.0	NE b E	0.2		+	8		Above 10m.
2 „	.903	.284	73.6	68.0	5.6	65.8	.76	73.9	76.9	NE b N	0.1		+	6		2.30
3 „	.902	.258	72.6	68.4	4.2	66.3	.82	73.4	76.7	„	0.1		+	4		2.30
4 „	.911	.250	72.8	69.0	3.8	67.1	.83	73.4	76.5	NE	0·1		+	2		Above 10m.
5 „	.922	.296	73.0	68.0	5.0	65.4	.78	73.2	76.2	„	0.1					
6 „	.942	.401	73.6	65.5	8.1	61.0	.76	74.0	76.2	„	0.3		+	1		Above 10m.
7 „	.964	.359	74.3	67.8	6.5	64.4	.72	74.0	76.2	„	0.3		+	2		1·54
8 „	.992	.416	76.0	67.5	8.5	62.9	.65	75.5	76.3	„	0.3					
9 „	30.003	.318	77.6	71.2	6.4	68.1	.74	77.0	76.5	„	0.4					
10 „	.001	.389	80.4	70.0	10.4	64.7	.60	79·0	76.8	NE b E	0·5					
11 „	29.985	.315	84.8	73.0	11.8	67.5	.58	84.0	77.5	„	0·4	None.				
Noon.	.955	.220	86.6	75.2	11.4	70.3	.60	85.0	78.2	E	0·4				None.	
1 p. m.	.928	.197	86.2	75.0	11.2	70.2	.60	84.3	78.6	E b N	0·2					
2 „	.912	.292	85.4	71.8	13.6	65.1	.52	83.5	78.8	„	0·1					
3 „	.901	.225	86.0	73.5	12.5	67.8	.56	83.2	78.8	„	0.1		+	2		Above 10m.
4 „	.898	.115	86.8	76.5	10.3	72.3	.63	83.5	79.2	W b N	0.1		+	2		Above 10m.
5 „	.905	.061	83.0	77.0	6.0	74.6	.77	81.4	79.2	„	0.0		+	2		Above 10m.
6 „	.909	.075	80.4	76.0	4.4	74.3	.82	79.8	79.0	NW b W	0.1		+	1		Above 10m.
7 „	.932	.070	79.2	76.4	2.8	75.3	.88	79.0	78.8	NW	0.0		+	3		2.14
8 „	.944	.091	78.6	76.0	2.6	75.0	.89	78.6	78.8	NNW	0.1					
9 „	.952	.202	77.6	73.0	4.6	71.0	.81	77.9	78.6	„	0.1					
10 „	.955	.192	76.8	73.2	3.6	71.5	.85	76.7	78.5	„	0.0					
11 „	.947	.272	74.6	70.0	4.6	67.7	.80	75.0	78.1	NNE	0.0					
Dec. 13th-Midnight	.897	.227	72.0	69.0	3.0	67.5	.87	73.0	77.1	NW	0.0		+	8	6	1.02
1 a. m.	.891	.242	72.1	68.4	3.7	66.5	.84	72.5	77.0	„	0.0					
2 „	.887	.239	71.0	68.0	3.0	66.5	.86	72.2	76.8	„	0.0					
3 „	.876	.237	71.8	68.0	3.8	66.0	.83	72.5	76.5	„	0.0					
4 „	.872	.206	72.4	69.0	3.4	67.2	.85	73.3	76.6	„	0.0		+	2		Above 10m.
5 „	.874	.221	72.0	68.5	3.5	66.7	.84	72.6	76.3	„	0·0					
6 „	.896	.277	71.2	67.2	4.0	65.1	.82	71.6	76.0	„	0·0		+	9	8	2.35
7 „	.916	.292	70.2	67.0	3.2	65.3	.85	71.0	75.8	NE b E	0.1		+	13	12	1.07
8 „	.940	.292	73.4	68.8	4.6	66.5	.80	73.0	76.0	„	0.4		+	3		1.22
9 „	.952	.416	76.4	66.4	10.0	60.7	.60	75.6	76.1	ENE	0.2		+	2		2.15
10 „	.940	.345	78.8	69.0	9.8	63.9	.62	77.5	76.5	E b N	0.2					
11 „	.920	.360	82.0	69.0	13.0	62.0	.52	80.0	77.0	E	0.2					
Noon.	.880	.300	84.8	70.5	14.3	63.1	.50	82.0	77.5	„	0.2					
1 p. m.	.847	.316	85.2	69.2	16.0	60.4	.45	82.4	78.0	„	0.1	None.				
2 „	.824	.362	84.8	67.0	17.8	56.3	.40	82.6	78.2	„	0·1					
3 „	.810	.268	85.4	69.6	15.8	61.0	.46	82.4	78.4	WSW	0·1					
4 „	.813	.102	85.6	74.3	11.3	69.3	.59	82.6	78.7	WNW	0·3					
5 „	.826	.083	81.6	74.0	7.6	70.7	.71	80.2	78.5	NW	0·2					
6 „	.841	.110	79.4	73.0	6.4	70.2	.74	79.0	78.4	NNW	0.4					
7 „	.860	.141	78.4	72.4	6.0	69.7	.76	78.0	78.2	„	0·4					
8 „	.880	.111	77.6	73.5	4.1	71.7	.83	77.7	78.1	N b W	0.2		+	10	8	2.05
9 „	.890	.143	76.6	72.6	4.0	70.8	.83	76.0	78.1	„	0.2		+	10	8	1.50
10 „	.899	.207	75.0	70.6	4.4	68.5	.81	74.8	77.8	„	0.2		+	12	10	1.40
11 „	.894	.297	72.6	67.0	5.6	64.0	.76	73.0	77.5	NNE	0.0		+	6	4	2.30

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
2	K	≀ scattered about.	
2	L	≀ scattered about hor.	
3	L	"	
2	L	"	
2	L	≀ scattered around hor., except in W and NW.	
2	C	≀ scattered from E to W hor.; ≀≀ from S to W hor.	
1	C	≀ scattered from E to S hor.; ≀≀ from S to W hor.	
0	C	A few pieces of ≀≀ in SW hor.	
0	C	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	K	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°9 and 82°0. The Temperatures of Wet Bulb and Air were greatest during this month, being respectively 4.3 and 3.9 greater than the Normal Mean.
0	L	"	
0	L	"	
0	L	"	
1	L	≀ scattered from E to W hor.	
2	C	≀ scattered from E to W hor.; pieces of ≀≀ above E hor.	
4	C	≀≀ scattered about, moving E; a few ≀ above S hor.	
4	C	≀≀ scattered about, moving E; mist in hor.	
4	C	" " "	
4	K	≀≀ scattered about, moving NE; light haze along E hor.	
2	K	Patches of ≀≀ scattered about, moving NE; light haze along E hor.	
1	L	Patches of ≀≀ around hor.	
1	L	≀ and ≀≀ scattered around hor.	
1	L	≀≀ in E hor.; ≀ in hor. from W to NE.	
1	L	"	
1	K	" "	
1	K	≀≀ above E hor.; ≀ above W and NW hor.	
0	C	" " "	
0	C	A few ≀ in W and NW hor.	
0	C	A few ≀ in NW hor.	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	A few ≀ in S and W hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°9 and 81°9. The Barometer at 3. P. M. was lowest during this month, being about 0.083 lower than the Normal Mean.
0	L	Clear, except in hor.	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	A few ≀ in E hor.; mist and fog in hor.	
0	C	A few ≀ in ESE hor.; mist and fog in hor.	
0	K	" "	
0	K	Light mist along E hor.	
0	K	"	
0	K	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	"	
0	K	"	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 14th-Midnight	29.878	29.199	72°4	69°4	3°0	67°9	0.87	73°0	77°0	NNE	0.0		+	14	12	1.16
1 a. m.	.866	.192	71.6	69.0	2.6	67.7	.88	72.5	77.0	„	0·0		+	10	8	0.30
2 „	.848	.191	70.2	68.0	2.2	66.9	.90	71.4	76.7	„	0.0		+	10	8	0.30
3 „	.841	.161	70.5	68.8	1.7	67.9	.92	71.8	76.4	„	0.0		+	13	10	0.40
4 „	.845	.213	71.2	67.6	3.6	65.7	.84	72.2	76.4	NE	0·1		+	10	8	1·00
5 „	.863	.217	71.2	68.0	3.2	66.4	.86	71.8	76.2	NE b E	0·2		+	3		4.14
6 „	.870	.230	71.7	68.0	3.7	66.1	.84	72.2	76.0	„	0.4					
7 „	.895	.295	72.4	67.0	5.4	64.1	.76	72.7	75.9	ENE	0·4					
8 „	.913	.360	73.7	66.0	7.7	61.6	.68	73.5	75.9	E b N	0.4					
9 „	.941	.372	77.0	67.6	9.4	62.5	.63	76.0	76.3	„	0.3					
10 „	.943	.307	79.8	70.5	9.3	65.9	.64	78.5	76.6	„	0·1		+	2		2.15
11 „	.921	.258	80.2	71.4	8.8	67.2	.66	78.8	77.0	„	0·1	None.				
Noon.	.892	.254	81.2	71.0	10.2	66.0	.61	79.6	77.2	„	0.0					
1 p. m.	.852	.255	83.2	70.5	12.7	64.0	.54	81.0	77.7	S b W	0·2					
2 „	.839	.172	83.8	72.6	11.2	67.3	.59	81.6	78.0	W b S	0·3					
3 „	.832	.125	83.6	73.6	10.0	69.1	.63	81.5	78.3	W b N	0.2					
4 „	.830	.122	82.8	73.4	9.4	69.2	.65	80.9	78.4	„	0·2					
5 „	.849	.154	79.3	72.0	7.3	68.6	.71	78.7	78.1	„	0.2					
6 „	.871	.190	77.6	71.1	6.5	68.0	.74	77.5	77.9	NW b W	0.1					
7 „	.893	.191	77.3	71.6	5.7	68.9	.76	77.3	77.8	NW	0.1					
8 „	.915	.195	77.0	72.0	5.0	69.7	.79	77.0	77.6	NW b N	0.1		+	1		1.25
9 „	.934	.223	75.2	71.2	4.0	69.3	.83	75.0	77.6	„	0.0					
10 „	.933	.253	74.2	70.0	4.2	67.9	.82	74.5	77.4	NNW	0.0		+	8	6	2.10
11 „	.924	.207	74·0	71.0	3.0	69.6	.87	74.5	77.3	NE b E	0.0		+	6	4	2.30
Dec. 15th-Midnight	.924	.196	73.0	71.0	2.0	70.0	.91	73.8	77.0	NE b N	0.0		+	12		5.20
1 a. m.	.911	.236	72.2	69.2	3.0	67.7	.87	72.7	77.0	„	0.0		+	2		1.30
2 „	.901	.224	71.4	69.0	2.4	67.8	.90	72.6	76.7	„	0.0					
3 „	.897	.195	72.2	70.0	2.2	68.9	.90	73.0	76.5	NE	0.0		+	1		Above 10m.
4 „	.911	.216	71.6	69.6	2.0	68.6	.91	72.5	76.4	„	0.0		+	1		Above 10m.
5 „	.939	.281	70.4	68.1	2.3	66.9	.89	71.3	76.0	„	0.0		+	1		Above 10m.
6 „	.953	.272	71.0	69.0	2.0	68.0	.91	71.6	76·0	NE b E	0.1		+	1		Above 10m.
7 „	.979	.298	71.0	69.0	2.0	68.0	.91	71.8	75.9	NE	0.1					
8 „	30.005	.312	73.0	70.0	3.0	68.5	.87	73.1	75.9	NE b E	0.1					
9 „	.016	.310	75.0	71.0	4.0	69.1	.83	74.6	76.0	ENE	0.1					
10 „	.010	.315	76.0	71.0	5.0	68.6	.79	75.5	76.4	„	0.2					
11 „	29.991	.287	77.8	71.8	6.0	69.0	.76	77.0	76.5	„	0·1					
Noon.	.961	.279	80.2	71.9	8.3	68.0	.68	78.5	76.8	NW b W	0.1	None.				
1 p. m.	.928	.268	81.1	71.6	9.5	67.0	.64	79.4	77.2	„	0.3					
2 „	.905	.207	82.0	72.9	9.1	68.8	.66	80.2	77.5	„	0.5					
3 „	.895	.195	82.2	73.0	9.2	68.8	.65	80.4	77.7	„	0.4					
4 „	.902	.188	81.6	73.2	8.4	67.4	.68	79.9	77.9	NW	0.6					
5 „	.919	.231	78.6	71.6	7.0	68.3	.72	78.0	77.7	„	0.3					
6 „	.928	.246	77.2	71.0	6.2	68.0	.75	77.0	77.5	„	0.3					
7 „	.941	.217	76.6	72.0	4.6	69.9	.81	76.2	77.5	NW b N	0.2		+	2		3.20
8 „	.949	.256	76.2	71.0	5.2	68·5	.78	76.0	77.4	„	0.1		+	2		4.15
9 „	.966	.226	75.2	71.9	3.3	70.5	.86	75.3	77.1	„	0.0		+	Out of Sc.	44	1.00
10 „	.960	.253	73.6	70.6	3.0	69.1	.87	74.0	77.1	„	0.0		+	Out of Sc.	28	1.24
11 „	.943	.312	72.3	67.9	4.4	65.6	.81	73.1	76.7	N b W	0·0					
Dec. 16th-Midnight	.928	.227	72.3	70.0	2.3	68.9	.90	73.0	76.5	N	0·0				60	
1 a. m.	.903	.201	72.8	70.2	2.6	68.9	.88	73.6	76.5	„	0.0					
2 „	.892	.228	71.0	68.5	2.5	67.2	.89	72.1	76.3	„	0.0					
3 „	.892	.199	70.6	69.2	1.4	68.5	.94	71.9	76.0	„	0.0					
4 „	.899	.282	69.0	66.4	2.6	65.0	.88	70.4	75.7	„	0·0	None.			None.	
5 „	.912	.320	68.8	65.5	3.3	63.7	.85	70.0	75.1	„	0.0					
6 „	.928	.334	68.2	65.4	2.8	63.8	.87	69.1	75.0	„	0.0					
7 „	.954	.250	71.6	70.5	1.1	69.0	.95	71.9	74.9	„	0.0		+	4		Above 10m.
8 „	.983	.284	73.4	70.3	3.1	68.8	.86	73.1	75.4	„	0·1		+	2		Above 10m.
9 „	30.003	.338	74.6	69.7	4.9	67.2	.79	74.0	75.5	NNE	0.1		+	2		2.13
10 „	.000	.303	75.8	71.0	4.8	68.7	.80	75.3	75.7	„	0.1		+	2		5.18
11 „	29.975	.362	77.8	69.2	8.6	64.8	.66	77.0	76.0	„	0.1		+	4		5.00

Amount of Clouds 0 — 6.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀∩ nimbi.	
0	K	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°9 and 81°9. Wind blew abnormally this day.
0	L	Clear; dew falling.	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	Clear.	
0	C	Mist and fog in hor.	
0	C	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	Light ≀ scattered about.	
0	C	≀ scattered about S hor.	
0	C	Clear.	
0	C	"	
0	K	A few ≀ in E hor.	
0	K	Light ≀ scattered about; a lunar-halo.	
0	K	" "	
0	K	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°9 and 81°9.
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
1	C	Light ≀ scattered here and there.	
1	C	"	
0	C	A few ≀ above S and SW hor.	
1	K	≀ scattered around hor.; mist and fog in hor.	
2	K	" "	
1	K	≀ scattered around hor.	
0	K	Light ≀ scattered here and there.	
0	L	A few ≀ scattered about hor.	
0	L	"	
2	L	≀ scattered about, moving E.	
3	L	" "	
2	K	≀ scattered about, moving NE.	
2	K	" "	
1	K	Light ≀ scattered here and there.	
1	K	"	
0	C	Clear.	
0	C	"	
0	C	"	
0	C	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°8 and 81°9.
1	L	Light ≀ scattered about hor.; dew falling.	
1	L	" "	
1	L	" "	
1	L	" "	
1	C	" "	
1	C	≀ scattered along E hor.	
4	C	≀ scattered about; haze and mist in hor.	
3	C	" "	
2	N	Light ≀ scattered about; mist in hor.	
1	N	Light ≀ scattered around hor.; light mist along E hor.	
1	N	" "	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering 2 the mean force of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 16th-Noon.	29.944	29.320	79°9	70°2	9°7	65°3	0.63	78°0	76°3	NW b W	0.0		+	3		Above 10m.
1 p. m.	.911	.299	81.0	70.2	10.8	64.7	.59	79.5	76.7	"	0.2		+	2		Above 10m.
2 "	.891	.219	82.0	72.2	9.8	67.6	.63	79.8	77.0	"	0·1		+	1		Above 10m.
3 "	.887	.241	82.0	71.5	10.5	66.4	.61	80.1	77.4	"	0.4		+	1		Above 10m.
4 "	.888	.198	81.8	72.6	9.2	68.4	.65	79.8	77.5	"	0.5					
5 "	.894	.244	78.5	70.5	8.0	66.6	.63	77.6	77.3	NW	0.1	None.	+	3	None.	Above 10m.
6 "	.905	.231	77.0	70.7	6.3	67.7	.74	76.7	77.1	NW b N	0.2		+	2		0.43
7 "	.921	.225	76.6	71.2	5.4	68.6	.77	76.5	77.0	"	0.4					
8 "	.939	.248	76.4	71.0	5.4	68.4	.77	76.2	77.0	"	0.4					
9 "	.937	.223	76.2	71.6	4.6	69.4	.81	76.0	77.0	"	0.2		+	1		Above 10m.
10 "	.936	.213	74.8	71.4	3.4	69.8	.85	74.7	76.8	N b E	0.0		+	3		2.14
11 "	.929	.227	72.8	70.2	2.6	68.9	.88	73.5	76.5	NNE	0.1		+	1		Above 10m.
Dec. 17th-Midnight	.920	.243	71.4	69.0	2.4	67.8	.89	72.0	76.3	NNE	0.0		+	1		Above 10m.
1 a. m.	.913	.214	71.8	69.8	2.0	68.8	.91	72.4	76.3	"	0.0		+	4		1.30
2 "	.914	.216	71.0	69.5	1.5	68.7	.93	71.8	76.1	"	0.0		+	2		Above 10m.
3 "	.905	.515	70.8	69.2	1.6	68.4	.93	71.7	75.9	"	0.0		+	1		Above 10m.
4 "	.913	.182	71.4	70.6	0.8	70.2	.96	72.4	75.8	"	0.1					
5 "	.934	.212	71.0	70.2	0.8	69.8	.96	71.9	75.5	"	0.0					
6 "	.953	.238	71.0	70.0	1.0	69.5	.95	71.5	75.5	"	0.1					
7 "	.975	.290	70.6	69.0	1.6	68.1	.93	71.5	75.4	NE b N	0.2					
8 "	.999	.299	72.6	70.1	2.5	68.8	.89	72.8	75.5	NE b E	0.3					
9 "	30.023	.329	73.6	70.2	3.4	68.6	.85	73.6	75.7	ENE	0.3		+	1		Above 10m.
10 "	.020	.346	75.4	70.2	5.2	67.7	.78	74.9	76.0	"	0.2		+	1		Above 10m.
11 "	.009	.337	77.8	70.9	6.9	67.6	.72	76.9	76.3	"	0.2	None.	+	2		2.24
Noon.	29.973	.247	79.8	73.0	6.8	69.9	.73	77.4	76.9	NNW	0.3		+	1		Above 10m.
1 p. m.	.937	.217	81.0	73.2	7.8	69.7	.70	79.4	77.2	NW b N	0.3		+	1		Above 10m.
2 "	.914	.143	81.2	73.0	8.2	71.8	.68	79.6	77.4	"	0.8					
3 "	.908	.200	80.8	72.8	8.0	69.2	.69	79.5	77.4	"	0·5					
4 "	.914	.242	79.4	71.4	8.0	67.6	.63	78.4	77.1	NNW	0.8					
5 "	.936	.254	77.2	71.0	6.2	68.0	.74	76.7	76.9	"	0.7		+	1		Above 10m.
6 "	.942	.257	76.0	70.7	5.3	68.1	.78	75.9	76.7	N b W	0.5		+	2		Above 10m.
7 "	.957	.287	75.4	70.1	5.3	67.5	.78	75.4	76.7	NNW	0.3		+	2		Above 10m.
8 "	.962	.291	75.0	70.0	5.0	67.5	.79	75.0	76.6	"	0.4					
9 "	.972	.278	73.6	70.2	3.4	78.6	.85	73.8	76.6	N b W	0.1		+	Out of Sc.	30	0.16
10 "	.968	.309	71.8	68.6	3.2	67.0	.85	72.5	76.2	"	0.0		+	20	20	0.20
11 "	.966	.349	70.8	67.0	3.8	65.0	.83	71.0	76.0	"	0.1		+	24	24	0.18
Dec. 18th-Midnight	.957	.338	70.6	67.0	3.6	65.1	.84	71.1	75.6	N b E	0.1					
1 a. m.	.946	.367	69.6	65.4	4.2	63.0	.81	70.9	75.5	"	0.0					
2 "	.932	.325	69.4	66.2	3.2	64.5	.85	70.5	75.3	"	0.1					
3 "	.933	.352	68.8	65.2	3.6	63.1	.83	69.5	75.1	"	0.1		+	4		2.30
4 "	.950	.345	69.0	66.0	3.0	64.4	.86	70.0	74.8	NNE	0·1		+	1		Above 10m.
5 "	.970	.353	70.0	66.7	3.3	65.0	.85	70.2	74.7	"	0·1		+	2		Above 10m.
6 "	.988	.394	70.0	66.0	4.0	63.8	.82	70.2	74.7	"	0.2		+	3		0.40
7 "	30.010	.359	70.7	68.0	2.7	66.6	.88	71.0	74.5	NE	0.3		+	5	4	Above 10m.
8 "	.035	.389	72.7	68.5	4.2	66.9	.89	72.4	74.6	NE b E	0.4		+	2		Above 10m.
9 "	.045	.404	74.6	69.0	5.6	66.1	.76	73.8	75.0	NE b N	0·5		+	1		Abov 10m.
10 "	.039	.369	76.7	70.5	6.2	67.5	.74	76.2	75.3	NE	0.5		+	1		Above 10m.
11 "	.027	.317	79.2	72.4	6.8	69.3	.73	77.7	75.8	N b W	0.8		+	2		Above 10m.
Noon.	29.996	.289	80.2	72.6	7.6	69.1	.70	78.5	76.0	"	0.5		+	2		Above 10m.
1 p. m.	.868	.316	80.6	71.2	9.4	66.6	.64	79.3	76.3	NNW	0.8	None.	+	2		Above 10m.
2 "	.941	.296	81.2	71.2	10.0	66.3	.62	80.0	76.5	"	1.2		+	2		3.17
3 "	.932	.288	80.6	71.0	9.6	66.3	.63	79.3	76.6	"	1.7		+	1		Above 10m.
4 "	.934	.326	79.5	69.6	9.9	64.5	.62	78.4	76.9	"	1.5		+	1		Above 10m.
5 "	.941	.283	76.8	70 2	6.6	66.9	·73	76.4	76.7	"	0.7		+	1		Above 10m.
6 "	.947	.278	75.2	70.0	5.2	67.4	.78	75.0	76.5	"	1.0		+	2		Above 10m.
7 "	.975	.351	74.4	68.4	6.0	65.3	.74	74.4	76.4	N b W	0.5		+	2		Above 10m.
8 "	.983	.379	72.0	67.0	5.0	64.3	.78	72.4	76.1	"	0.4		+	3		Above 10m.
9 "	.977	.384	71.2	66.4	4.8	63.8	.79	71.7	75.7	"	0.6		+	2		Above 10m.
10 "	.967	.358	70.4	66.6	3.8	64.6	.83	71.2	75.4	"	0.8		+	2		Above 10m.
11 "	.961	.403	70.4	65.0	5.4	61.9	.76	71.0	75.3	"	0.6		+	4	3	3.30

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ⌢ cumulo-strati; and ≀≀ nimbi.	
1	N	≀≀ and ≀ along E hor.	
1	L	≀≀ along E hor.; ≀ scattered about hor.	
4	L	≀≀ along E hor.; ≀ scattered about.	
3	L	" "	
2	L	" "	
5	C	≀ scattered about.	
0	C	Clear, except in NE hor.	
0	C	Clear.	
0	C	"	
0	N	"	
0	N	Clear; dew falling.	
0	N	A few ≀ along W hor.; dew falling.	
1	N	Dense ≀ about NW, W, and SW hor., moving E; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°8 and 81°9.
1	L	≀ scattered around hor.; dew falling.	
1	L	" "	
1	L	" "	
1	L	" "	
1	C	" "	
3	C	≀≀ from NNE to SW hor.; ≀ scattered about the remainder of hor. and in SE; mist in hor.	
4	C	≀ scattered about hor., moving E; mist and fog in hor.	
6	C	≀ scattered about, moving NE; mist and fog in hor.	
4	N	≀ scattered about; mist and fog in hor.	
4	N	" "	
1	N	≀ scattered about hor. from NNE to SE; mist in hor.	
6	N	≀ scattered throughout.	
7	L	"	
6	L	"	
7	L	≀ scattered throughout, moving E.	
7	L	≀ scattered throughout, moving NE.	
7	C	" "	
6	C	" "	
6	C	" "	
4	C	≀ scattered about.	
2	N	≀ scattered about hor.	
1	N	≀ scattered around hor.; dew falling.	
1	N	" "	
0	N	Clear; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°7 and 81°9.
0	L	" "	
0	L	" "	
0	L	" "	
0	L	" "	
0	C	" "	
0	C	A few ≀ scattered from ENE to SE hor.	
0	C	≀≀ in S, SW, and W hor.; ≀ scattered in E and SE hor.; mist and fog in hor.	
0	C	A few ≀≀ in WSW hor.; haze and mist in hor.	
0	L	Light mist in hor.	
0	L	"	
0	L	Clear.	
0	N	"	
0	N	"	
0	N	"	
0	N	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	

Bombay Civil Time. 1858.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.			Thermometer on the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the force of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 20th-Midnight	29.945	29.381	69°8	65°0	4°8	62°2	0.78	70°0	74°3	N b W	0.1		+	10	8	0.25
1 a. m.	.929	.376	68·8	64.3	4.5	61.6	.79	69.6	74.1	„	0.0		+	9	6	4.00
2 „	.919	.379	67·6	63.4	4.2	60.9	.80	68.4	73.9	„	0.1		+	3		Above 10m.
3 „	.918	.338	68.4	65.0	3.4	63.1	.84	68.7	73.7	NNE	0.1		+	20	16	0.40
4 „	.920	.382	66.6	63.0	3.6	60.8	.83	67.6	73.4	„	0.1					
5 „	.931	.363	66.6	64.0	2.6	62.5	.88	67.2	73.0	„	0.1		+	Out of Sc.	46	0.55
6 „	.946	.412	67.0	63.0	4.0	60.6	.81	67.5	72.9	„	0.0		+	Out of Sc.	53	0.43
7 „	.962	.358	67.0	65.3	1.7	64.3	.92	68.0	72.7	„	0.0		+	Out of Sc.	57	1.27
8 „	.991	.367	71.4	67.4	4.0	65.3	.82	71.2	73.0	ENE	0.2		+	5		2.18
9 „	30.012	.375	73.8	68.6	5.2	65.9	.78	73.2	73.5	NE b E	0.2		+	6		2.14
10 „	29.992	.341	76.2	69.8	6.2	66.6	.73	75.4	73.8	„	0.1					
11 „	.973	.323	77.6	70.2	7.4	66.6	.70	76.6	74.3	„	0.1	None.	+	3		Above 10m.
Noon.	.945	.315	80.0	70.4	9.6	65.6	.63	79.2	74.7	„	0.1					
1 p. m.	.909	.170	83.4	74.4	9.0	70.5	.66	81.7	75.5	NNW	0.5		+	9	7	4.00
2 „	.888	.144	82.2	74.2	8.0	70.7	.69	80.8	75.9	NW	0.5					
3 „	.882	.121	82.8	74.8	8.0	71.3	.69	81.3	76.3	„	0.6					
4 „	.885	.090	81.8	75.4	6.4	72.8	.74	80.4	76.5	„	0.6					
5 „	.897	.127	79.2	74.0	5.2	71.8	.79	78.4	76.5	NW b N	0.2					
6 „	.903	.100	77.2	74.3	2.9	73.1	.88	76.9	76.2	„	0.2					
7 „	.928	.190	75.4	72.0	3.4	70.5	.85	75.1	76.2	N b W	0.7		+	2		Above 10m.
8 „	.944	.263	74.1	70.0	4.1	68.0	.82	74.5	76.0	„	0.4		+	3		Above 10m.
9 „	.950	.300	73.8	69.0	4.8	66.6	.79	73.8	75.8	NNW	0.2		+	2		Above 10m.
10 „	.960	.310	72.0	68.4	3.6	66.6	.84	72.4	75.5	N b W	0.1		+	2		Above 10m.
11 „	.958	.305	70.5	68.0	2.5	67.2	.89	71.6	75.2	„	0.1		+	4		3.13
Dec. 21st-Midnight	.949	.381	70·0	65.2	4.8	62.5	.78	70.8	75.0	N	0.1		+	2		Above 10m.
1 a. m.	.933	.367	69.6	65.0	4.6	62.3	.79	70.6	74.8	„	0.1		+	2		Above 10m.
2 „	.919	.376	69.6	64.6	5.0	61.1	.77	70.3	74.6	„	0.1		+	1		Above 10m.
3 „	.916	.321	68.8	65.6	3.2	63.9	.85	70.0	74.4	„	0.0		+	2		Above 10m.
4 „	.927	.318	68.6	66.0	2.6	64.6	.88	69.9	74.2	„	0.0		+	1		Above 10m.
5 „	.942	.401	67.2	63.3	3.9	61.0	.84	68.1	73.8	„	0.0		+	1		Above 10m.
6 „	.961	.345	68.0	66.0	2.0	64.9	.91	68.6	73.6	N b E	0.0					
7 „	.989	.373	68.0	66.0	2.0	64.9	.91	68.9	73.5	„	0.0					
8 „	30.018	.346	71.5	68.9	2.6	67.6	.88	71.4	73.6	NE	0.1					
9 „	.039	.411	74.0	68.4	5.6	65.5	.76	73.4	74.0	NE b E	0.2					
10 „	.041	.404	76.2	69.4	6.8	65.9	.72	75.7	74.3	ENE	0·2					
11 „	.021	.450	78.3	68.1	10.2	62.6	.60	77.5	74.8	„	0.1	None.	+	2		Above 10m.
Noon.	29.985	.401	80.4	69.2	11.2	63.3	.58	79.8	75.2	„	0.0		+	2		Above 10m.
1 p. m.	.946	.377	83.0	69.6	13.4	62.5	.52	81.6	75.9	„	0.0		+	8	6	3.00
2 „	.925	.282	84.0	72.0	12.0	66.2	.57	81.9	76.4	NW	0.4					
3 „	.910	.242	82.4	72.2	10.2	67.4	.62	80.9	76.9	NW b N	0.4					
4 „	.912	.217	81.3	72.6	8.7	68.6	.67	80.0	76.8	„	0.5					
5 „	.933	.244	78.2	71.5	6.7	68.3	.73	77.5	76.7	NNW	0.5					
6 „	.943	.251	76.3	71.0	5.3	68.5	.78	76.1	76.5	„	0.8					
7 „	.968	.266	75.4	71.0	4.4	68.9	.81	75.3	76.2	„	0.8		+	1		Above 10m.
8 „	.985	.359	74.8	68.6	6.2	65.4	.74	75.0	76.1	„	0.7					
9 „	.997	.365	74.2	68.6	5.6	65.7	.76	74.2	76.0	N	0.2		+	4		0.22
10 „	30.004	.357	73.4	68.8	4.6	66.4	.80	73.2	75.9	„	0·2		+	3		1.55
11 „	29.998	.386	71.8	67.2	4.6	64.8	.80	72.5	75.6	„	0.1		+	3		3.17
Dec. 22nd-Midnight	.985	.393	70.5	66.1	4.4	63.7	.80	71.3	75.3	N	0.1		+	20	20	0.48
1 a. m.	.963	.359	70.2	66.4	3.8	64.3	.83	71.2	75.1	„	0.0		+	16	14	0.40
2 „	.950	.316	69.8	67.2	2.6	65.8	.88	71.0	75.0	„	0.0		+	12	10	1.00
3 „	.950	.335	71.0	67.0	4.0	64.9	.82	71.7	75.0	NE	0.1					
4 „	.957	.322	70.4	67.4	3.0	65.8	.86	71.0	74.9	„	0.1					
5 „	.979	.433	68.6	64.0	4.6	61.3	.79	69.3	74.5	NNE	0.1					
6 „	.990	.392	68.4	65.5	2.9	64.0	.86	69.5	74.3	NE	0.1	None.				
7 „	30.008	.410	70.5	66.3	4.2	64.0	.81	70.8	74.2	ENE	0.2					
8 „	.024	.396	72.8	68.0	4.8	65.5	.79	72.7	74.4	„	0.3					
9 „	.045	.410	75.8	69.2	6.6	65.8	.73	75.2	74.7	„	0.2					
10 „	.044	.397	77.8	70.2	7.6	66.4	.70	77.2	75.3	E b N	0.2					
11 „	.033	.406	79.9	70.3	9.6	65.4	.63	79.2	75.6	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ∩∩ cumuli; ∽∽ cirro-stratti: ∩∽ cumulo-strati; and ∿∿ nimbi.	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 78°1 and 81°9. Temperature of Air was lowest at 5 A. M., being about 1°4 lower than the Normal Mean; the range of Temperature 16°8, the greatest during this month; this is the first cloudless day during this month.
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	Mist and fog in hor.	
0	C	,,	
0	C	,,	
0	N	Light mist in hor.	
0	N	,,	
0	N	,,	
0	N	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	Clear.	
0	C	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°8 and 81°8. This is the second cloudless day during this month.
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	,,	
0	C	Mist in hor.	
0	C	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	L	,,	
0	C	,,	
0	C	Clear.	
0	C	,,	
0	C	,,	
0	N	,,	
0	N	,,	
0	N	,,	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°6 and 81°7.
0	L	,,	
0	L	Clear; dew falling.	
0	L	,, ,,	
0	L	,, ,,	
0	C	,, ,,	
0	C	Clear.	
0	C	Light mist in hor.	
0	C	,,	
0	N	Mist and fog in hor.	
0	N	,,	
0	N	,,	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 22nd-Noon.	29.999	29.336	82°3	72°0	10°3	67°2	0.61	80°2	76°1	N b W	0.0					
1 p. m.	.959	.240	83.2	73.8	9.4	69.7	.65	81.1	76.7	NW b N	0.3					
2 „	.941	.218	82.8	73.8	9.0	69.8	.66	81.3	77.0	„	0.8					
3 „	.937	.209	82.3	73.8	8.5	70.0	.68	81.1	77.3	„	0.6					
4 „	.937	.208	81.6	73.6	8.0	70.1	.69	80.4	77.4	„	0.8					
5 „	.944	.209	79.0	73.0	6.0	70.3	.76	78.3	77.3	NNW	0.3	None.			None.	
6 „	.953	.207	77.0	72.7	4.3	70.8	.82	76.9	77.0	N b W	0.2					
7 „	.977	.280	76.0	71.1	4.9	68.7	.79	76.1	76.9	NNW	0.2		+	3		Above 10m.
8 „	.992	.290	75.4	71.0	4.4	68.9	.81	75.5	76.8	„	0.4		+	2		Above 10m.
9 „	30.003	.396	74.7	68.0	6.7	64.5	.72	75.0	76.6	N b W	0.3		+	1		Above 10m.
10 „	.008	.431	73.2	66.5	6.7	62.9	.72	73.5	76.4	N	0.1		+	4		Above 10m.
11 „	29.995	.426	72.3	66.0	4.3	62.5	.73	73.0	76.0	„	0.1		+	2		Above 10m.
Dec. 23rd-Midnight	.971	.345	74.2	68.4	5.8	65.4	.75	74.2	76.0	NE b N	0.1		+	3		Above 10m.
1 a. m.	.945	.376	73.4	66.4	7.0	62.5	.70	73.7	76.0	NE	0.0		+	1		Above 10m.
2 „	.930	.376	72.2	65.5	6.7	61.7	.71	72.7	75.8	„	0.1		+	1		Above 10m.
3 „	.927	.385	71.8	65.0	6.8	61.0	.70	72.1	75.6	NE b N	0.1					
4 „	.933	.323	71.0	67.0	4.0	64.9	.82	72.0	75.4	„	0.1					
5 „	.963	.360	71.0	66.6	4.4	64.3	.80	71.3	75.1	NNE	0.0		+	1		Not obsd.
6 „	.973	.387	69.6	65.6	4.0	63.4	.82	70.5	74.8	„	0.0		+	4		Above 10m.
7 „	30.001	.384	70.8	67.0	3.8	65.0	.83	71.3	74.7	„	0.0					
8 „	.020	.368	73.6	69.0	4.6	66.6	.80	73.3	74.9	NE	0.0		+	1		Above 10m.
9 „	.040	.411	75.7	69.0	6.7	65.5	.72	75.0	75.2	ENE	0.1		+	1		Above 10m.
10 „	.039	.388	77.5	70.2	7.3	66.6	.71	76.7	75.5	„	0.1	None.	+	1	None.	Above 10m.
11 „	.011	.375	78.8	70.2	8.6	65.9	.66	77.8	75.8	„	0.1		+	4		Above 10m.
Noon.	29.979	.330	80.2	71.0	9.2	66.5	.64	78.9	76 2	N b W	0.2					
1 p. m.	.947	.271	81.0	72.0	9.0	67.8	.66	79.9	76.7	NW b W	0.3					
2 „	.923	.223	82.2	73.0	9.2	68.8	.65	80.9	77.0	NW	0.8					
3 „	.912	.222	81.8	72.6	9.2	68.4	.65	80.5	77.3	„	0.6					
4 „	.913	.169	81.5	74.0	7.5	70.7	.71	80.4	77.5	„	0.5					
5 „	.928	.259	78.4	71.0	7.4	67.4	.70	77.9	77.3	NW b N	0.5					
6 „	.935	.249	76.8	71.0	5.8	68.2	.76	76.5	77.0	NNW	0.4					
7 „	.955	.278	75.8	70.4	5.4	67.8	.77	75.8	76.9	NW b W	0.2					
8 „	.969	.295	75.4	70.2	5.2	67.7	.78	75.4	76.8	„	0.3					
9 „	.980	.332	74.0	69.0	5.0	66.5	.78	74.0	76.5	NNW	0.2		+	6		Above 10m.
10 „	.975	.358	72.6	67.6	5.0	65.0	.78	72.8	76.4	„	0.0		+	16		Above 10m.
11 „	.965	.378	71.2	66.2	5.0	63.4	.78	72.0	76.0	N b W	0.0		+	12		Above 10m.
Dec. 24th-Midnight	.956	.405	71.0	65.0	6.0	61.5	.73	71.6	75.7	N b W	0.0		+	10	8	
1 a. m.	.935	.415	71.0	64.0	7.0	59.8	.69	71.8	75.5	„	0.0					
2 „	.923	.395	71.4	64.4	7.0	60.3	.70	71.8	75.5	„	0.2					
3 „	.918	.444	70.6	62.3	8.3	57.0	.60	71.3	75.2	NNE	0.2					
4 „	.927	.415	70.6	63.6	7.0	59.3	.69	71.2	75.1	N b E	0.1					
5 „	.955	.436	70.0	63.6	6.4	59.7	.72	70.5	74.8	NNE	0.1					
6 „	.973	.547	68.7	60.0	8.7	53.9	.62	69.3	74.5	N	0.0					
7 „	30.000	.488	69.0	63.0	6.0	59.3	.73	69.7	74.3	„	0.0					
8 „	.020	.494	73.3	65.0	8.3	60.1	.65	73·0	74.4	N b E	0.2					
9 „	.024	.422	76.4	68.4	8.0	64.2	.67	75.5	74.8	NNE	0.3					
10 „	.022	.480	77.6	67.0	10.6	61.0	.59	76.8	75.2	NE b E	0.2					
11 „	29.999	.519	80.4	66.0	14.4	57.4	.47	79.2	75.6	„	0.4	None.				None.
Noon.	.969	.491	82.8	66.8	16.0	57.3	.44	81.8	76.2	NNE	0·2					
1 p. m.	.930	.274	82.8	72.0	10.8	66.8	.60	81.0	76.7	NW b N	1.0					
2 „	.902	.218	82.3	72.6	9.7	68.1	.64	80.7	77.0	„	1.0					
3 „	.894	.217	82.2	72.4	9.8	67.8	.63	80.8	77.3	„	0.6					
4 „	.894	.216	80.8	72.0	8.8	67.8	.66	79·7	77.4	„	1.5					
5 „	.909	.254	78.0	70.5	7.5	66.8	.70	77.5	77.2	NNW	0.4					
6 „	.929	.294	76.4	69.4	7.0	65.8	.71	76.0	77.0	„	0.5					
7 „	.948	.302	75.4	69.4	6.0	66.4	.75	75.4	76.8	„	0.7					
8 „	.972	.315	74.4	69.4	5.0	66.9	.79	74.4	76.5	N b W	0·6					
9 „	.983	.353	72.6	68.0	4.6	65.6	.80	73.0	76.4	„	0.2					
10 „	.968	.372	71.2	66.5	4.7	63.9	.79	71.8	76.0	„	0.2					
11 „	.963	.361	70.8	66.5	4.3	64.2	.81	71.5	75.7	„	0.1					

Amount of Clouds 0 — 8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ∿ cirri ; ≋ cirro-cumuli; ⌒ cumuli ; ⌣ cirro-strati ; ⌒ cumulo-strati ; and ≋ nimbi.	
0	N	Clear.	
0	L	A few pieces of ≋ in E.	
0	L	"	
0	L	"	
0	L	Clear.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	N	"	
0	N	"	
0	N	"	
0	N	Clear.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°5 and 81°5.
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	Light mist in hor.	
0	C	"	
0	N	Mist in hor.	
0	N	"	
0	N	Light mist along E hor.	
0	N	"	
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	K	"	
0	K	A few ∿ in E hor.	
0	K	"	
0	K	A few ∿ in E hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°6 and 81°5. The range of Wet Bulb Thermometer was 12°6, the greatest during this month ; the Temperature of Wet Bulb was lowest at 6 A. M., being about 8.1 lower than the Normal Mean ; this is the third cloudless day during this month.
0	L	Clear.	
0	L	"	
0	L	"	
0	L	"	
0	C	"	
0	C	"	
0	C	Light mist in hor.	
0	C	"	
0	K	"	
0	K	Clear.	
0	K	"	
0	K	"	
0	L	"	
0	L	"	
0	L	"	
0	L	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	
0	K	"	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauges. Direction.	Wind from Osler's Gauges. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 27th-Midnight	29.987	29.293	71°4	68°0	3°4	66°3	0.86	72°0	76°0	N	0·2		+	8		0.55
1 a. m.	.913	.208	71.2	69.6	1.6	69.0	.93	72.3	75.9	„	0·1		+	13	13	0.25
2 „	.894	.251	72.0	68.2	3.8	66.2	.83	72.4	75.8	NE	0.2		+	2		Above 10m.
3 „	.880	.263	72.0	67.4	4.6	65.0	.80	72.4	75.8	ENE	0.2		+	1		Above 10m.
4 „	.882	.262	71.8	67.4	4.4	65.1	.81	72.3	75.6	„	0.1		+	2		Above 10m.
5 „	.897	.282	71.0	67.0	4.0	64.9	.82	71.4	75.2	„	0.1		+	2		Above 10m.
6 „	.914	.287	70.5	67.2	3.3	65.4	.85	71.0	75.0	„	0.1		+	2		Above 10m.
7 „	.934	.316	70.7	67.0	3.7	65.0	.83	71.0	75.0	„	0.3		+	8	6	1.26
8 „	.962	.350	72.2	67.3	4.9	64.7	.78	72.0	75.0	E b N	0.3					
9 „	.983	.386	75.6	68.0	7.6	64.0	.69	75.4	75.2	„	0·2					
10 „	.985	.350	77.0	69.5	7.5	65.7	.70	76.0	75.5	„	0.3	None.	+	6		5.00
11 „	.967	.305	79.0	71.0	8.0	67.1	.68	78.0	75.8	„	0.1		+	6		2.25
Noon.	.939	.364	81.2	69.2	12.0	62.8	.55	80.0	76.4	„	0·0		+	8		5.10
1 p. m.	.903	.300	83.6	70.8	12.8	64.3	.54	80.6	76.8	ENE	0.1		+	11	10	3.30
2 „	.886	.316	86.0	70.6	15.4	62.6	.47	83.4	77.4	NW b W	0·2		+	8	6	4.00
3 „	.881	.211	86.2	73.4	12.8	67.5	.55	83.8	77.8	WNW	0.2		+	6		2.30
4 „	.884	.189	84.6	73.6	11.0	68.6	.60	82.0	78.0	NW b W	0·4		+	10	8	2.30
5 „	.891	.175	80.4	72.8	7.6	69.5	.70	79.1	77.8	„	0·1		+	12	9	3.18
6 „	.898	.183	78.5	72.3	6.2	69.5	.75	78.0	77.5	„	0.1		+	4		2.40
7 „	.919	.221	77.4	71.5	5.9	68.7	.76	77.4	77.5	NW	0.0		+	6		3.30
8 „	.940	.216	76.6	72.0	4.6	69.9	.81	76.4	77.4	NW b N	0.0		+	11		5.10
9 „	.946	.284	74.6	69.6	5.0	67.1	.79	75.0	77.1	„	0.0		+	10		1.20
10 „	.948	.287	74.0	69.4	4.6	67.1	.80	74.5	77.0	„	0.0					
11 „	.938	.312	73.0	68.0	5.0	65.4	.78	73.8	76.8	„	0.0					
Dec. 28th-Midnight	.922	.318	72.0	67.0	5.0	64.3	.78	72.6	76.5	NW b N	0.0					
1 a. m.	.907	.259	71.0	68.0	3.0	66.5	.86	71.3	76.2	„	0.0		+	10	8	0.40
2 „	.895	.236	70.6	68.2	2.4	67.0	.89	71.4	76.0	„	0.0		+	Out of Sc.	35	0.40
3 „	.889	.230	70.6	68.2	2.4	67.0	.89	71.4	75.8	„	0.0					
4 „	.890	.246	69.6	67.4	2.2	66.3	.90	70.9	75.6	„	0.0					
5 „	.914	.277	69.0	67.0	2.0	65.9	.91	70.0	75.1	„	0.0					
6 „	.937	.308	69.4	66.9	2.5	65.5	.88	70.2	75.0	„	0.0					
7 „	.962	.322	69.4	66.5	2.9	66.1	.86	70.3	74.8	„	0.0					
8 „	.993	.392	72.3	67.0	5.3	64.2	.77	72.4	75.0	NNW	0.0					
9 „	30.007	.408	74.2	67.6	6.6	64.1	.72	73.8	75.2	N b W	0.1	None.				
10 „	.008	.346	75.8	70.0	5.8	67.1	.76	75.0	75.4	N b E	0.1					
11 „	29.985	.392	77.5	68.5	9.0	63.8	.64	76.8	76.6	NNE	0.2		+	2		Above 10m.
Noon.	.954	.378	79.0	68.5	10.5	62.9	.59	77.8	76.0	NE	0.0					
1 p. m.	.929	.313	81.8	70.6	11.2	64.9	.58	80.2	76.4	NE b E	0.0		+	4		Above 10m.
2 „	.903	.251	83.8	72.2	11.6	66.6	.58	81.2	77.9	N b W	0.0		+	1		Above 10m.
3 „	.890	.230	83.8	72.4	11.4	67.0	.58	81.5	77.2	NW b N	0.0		+	3		Above 10m.
4 „	.893	.259	82.8	71.4	11.4	65.8	.58	80.5	77.4	W b S	0.1		+	2		Above 10m.
5 „	.910	.195	80.8	73.0	7.8	69.5	.70	79.1	77.2	„	0.1		+	1		Above 10m.
6 „	.934	.184	78.7	73.3	5.4	71.0	.78	78.0	77.2	NW b W	0.1					
7 „	.953	.235	77.2	72.0	5.2	69.6	.78	77.0	77.0	„	0.2					
8 „	.973	.241	76.3	72.1	4.2	70.2	.82	76.2	77.0	NW b N	0.0					
9 „	.983	.241	75.0	72.0	3.0	70.6	.87	75.0	76.9	NNW	0.0		+	12	10	3.20
10 „	.985	.264	73.6	71.0	2.6	69.7	.89	73.8	76.6	„	0·2		+	6		5.40
11 „	.980	.301	72.4	69.4	3.0	67.9	.87	73.0	76.5	N b N	0.1					
Dec. 29th-Midnight	.974	.237	72.2	71.0	1.2	70.4	.95	72.8	76.3	N	0.0					
1 a. m.	.953	.258	72.2	69.8	2.4	68.6	.89	73.0	76.2	NNE	0.0					
2 „	.942	.243	71.8	69.8	2.0	68.3	.91	72.4	76.1	„	0.1					
3 „	.937	.267	71.4	68.8	2.6	67.5	.88	72.0	75.8	„	0.0					
4 „	.942	.314	69.8	67.0	2.8	65.5	.87	70.9	75.6	„	0·0					
5 „	.953	.262	70.4	69.1	1.3	68.4	.94	71.2	75.3	N b E	0.1	None.	None.	None.	None.	None.
6 „	.974	.425	69.2	64.3	4.9	61.4	.78	70.1	75.1	N b W	0.0					
7 „	.998	.425	69.0	65.0	4.0	62.7	.82	70.1	74.8	„	0·0					
8 „	30.025	.464	72.8	69.0	3.8	67.1	.83	72.9	75.0	„	0.0					
9 „	.042	.405	75.0	69.0	6.0	65.9	.75	74.2	75.2	NE b N	0.1					
10 „	.040	.382	76.2	70.0	6.2	66.9	.74	75.8	75.5	NE	0.1					
11 „	.019	.410	78.2	69.2	9.0	64.6	.64	77.2	75.7	NNW	0·4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌒̲ cirro-strati; ⌒̲ cumulo-strati; and ∿̲ nimbi.	
2	K	∿ scattered about hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°8 and 81°6.
3	L	∿ scattered here and there.	
2	L	"	
2	L	"	
2	L	∿ scattered about hor.	
5	C	∿ scattered about; a lunar-halo.	
5	C	∿ scattered about.	
6	C	∿ scattered throughout, moving ENE.	
5	C	" "	
5	K	" "	
6	K	∿ scattered about.	
5	K	"	
5	K	"	
5	L	∿ scattered about, moving NE.	
5	L	" "	
5	L	∿ scattered about, moving E.	
7	L	∿ scattered throughout, moving SE.	
8	C	" "	
8	C	" "	
6	C	∿ scattered about.	
5	C	"	
5	K	"	
3	K	∿ scattered about hor.	
6	K	∿ scattered throughout.	
6	K	∿ scattered about.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°8 and 81°6.
7	L	∿ scattered throughout; dew falling.	
7	L	∿ scattered throughout; a lunar-halo; dew falling.	
6	L	" " "	
5	L	" " "	
4	C	" " "	
6	C	∿ scattered throughout.	
8	C	∿ scattered throughout; a few patches of ∿∿ in NE, moving NE.	
8	C	∿ scattered throughout, moving NE.	
8	K	" "	
7	K	" "	
7	K	" "	
6	K	" "	
8	L	Overcast with ∿, moving E.	
8	L	" "	
8	L	Overcast with ∿, moving SE.	
8	L	Overcast with ∿, moving E.	
8	C	" "	
6	C	∿ scattered about, moving E.	
4	C	" "	
3	C	∿ scattered about hor.	
3	K	"	
2	K	∿ scattered about hor.; dew falli	
2	K	" "	
2	K	∿ scattered about hor.; dew falling.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 81°5.
3	L	∿ scattered here and there; dew falling.	
3	L	" "	
4	L	∿ scattered about hor.; ∿∿ in E, SE, and a few about zth., moving E; dew falling.	
5	L	∿ scattered around hor.; ∿∿ in E hem, moving NE; dew falling.	
8	C	Overcast with ∿ and ∿∿, latter moving E; a break in W.	
8	C	Overcast with ∿∿ and ∿, both moving NE.	
7	C	∿ and ∿∿ scattered throughout, latter moving NE.	
7	C	" "	
7	K	" "	
7	K	" "	
7	K	" "	

Bombay Civil Time. 1858.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Reduced Dew-point.	Humidity of Air.	Ground Thermometers. Thermometer on the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.									lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 29th–Noon.	29.987	29.322	79°4	71°2	8°2	67°2	0.68	78°2	76°0	NW	0.2					
1 p. m.	.967	.288	80.2	71.7	8.5	67.7	.67	78.7	76.5	„	0.5		+	3		Above 10m.
2 „	.041	.294	80.4	71.0	9.4	66.4	.64	79.0	76.7	„	0.8		+	2		Above 10m.
3 „	.934	.244	80.4	72.2	8.2	68.4	.68	79.1	77.0	„	0.5		+	2		Above 10m.
4 „	.941	.242	79.9	72.3	7.6	68.8	.70	78.8	77.0	„	1.0		+	1		Above 10m.
5 „	.953	.283	77.0	70.6	6.4	67.5	.74	76.5	76.8	NW b N	0.8					
6 „	.967	.282	75.6	70.6	5.0	68.1	.79	75.5	76.5	NNW	1.8	None.	+	1	None.	Above 10m.
7 „	.997	.319	75.0	70.2	4.8	67.8	.79	75.0	76.4	„	1.5		+	2		Above 10m.
8 „	30.010	.360	73.8	69.0	4.8	66.6	.79	73.8	76.2	N b W	1.2		+	1		Above 10m.
9 „	.022	.389	72.4	68.0	4.4	65.7	.81	72.2	76.0	„	0.4					
10 „	.019	.387	71.2	67.6	3.6	65.7	.84	72.0	75.6	„	0.1					
11 „	.011	.403	70.2	66.5	3.7	64.5	.83	71.0	75.5	„	0.3					
Dec. 30th–Midnight	.011	.447	69.8	65.0	4.8	62.2	.78	70.5	75.2	N b W	0.1					
1 a. m.	29.997	.409	68.5	65.3	3.2	63.5	.85	69.6	75.0	„	0.0					
2 „	.987	.399	68.8	65.4	3.4	63.5	.84	69.7	74.8	„	0.1					
3 „	.979	.342	69.0	67.0	2.0	65.9	.91	69.7	74.5	N	0.1					
4 „	.987	.332	68.6	67.4	1.2	66.8	.94	69.4	74.3	„	0.1					
5 „	30.010	.329	68.0	68.0	0.0	68.0	1.00	68.6	73.8	„	0.1					
6 „	.022	.396	68.2	66.4	1.8	65.4	0.91	68.9	73.5	NNE	0.0					
7 „	.043	.472	69.2	65.0	4.2	62.6	.81	69.9	73.5	NE	0.2		+	2		1.20
8 „	.068	.495	70.8	65.6	5.2	62.7	.77	71.0	73.8	„	0.1		+	4		Above 10m.
9 „	.089	.520	73.4	66.4	7.0	62.5	.70	73.2	74.0	NNE	0.1					
10 „	.091	.507	75.6	67.6	8.0	63.3	.67	75.0	74.4	NE	0.4		+	2		Above 10m.
11 „	.961	.468	76.0	68.0	8.0	63.8	.67	75.5	74.7	NE b E	0.2		+	2		Above 10m.
Noon.	.034	.416	77.4	69.2	8.2	65.0	.67	77.0	75.0	NE	0.2					
1 p. m.	.001	.390	78.6	69.4	9.2	64.7	.64	77.6	75.4	NE b N	0.0	None.	+	1	None.	Above 10m.
2 „	29.981	.286	80.6	72.4	8.2	68.6	.68	79.0	75.7	„	0.1		+	2		Above 10m.
3 „	.968	.160	79.8	72.5	7.3	69.2	.71	78.4	76.0	N b W	0.3					
4 „	.972	.230	78.4	73.0	5.4	70.6	.78	77.8	76.2	NNW	0.3					
5 „	.985	.237	77.8	73.0	4.8	70.9	.80	77.1	76.1	NW b N	0.2		+	1		Above 10m.
6 „	30.001	.308	76.2	71.0	5.2	68.5	.78	76.0	76.0	NNW	0.1		+	4		3.20
7 „	.013	.280	75.8	72.0	3.8	70.2	.84	75.6	76.0	„	0.2		+	3		1.42
8 „	.033	.309	75.0	71.5	3.5	69.9	.85	75.0	76.0	„	0.2		+	8		0.52
9 „	.038	.356	74.0	70.0	4.0	68.0	.84	74.0	76.0	N b W	0.2		+	6		3.36
10 „	.036	.362	73.2	69.5	3.7	67.7	.84	73.5	75.7	N	0.0		+	8		0.35
11 „	.024	.342	74.0	70.0	4.0	68.0	.84	74.0	75.7	NNE	0.0		+	6		0.56
Dec. 31st–Midnight	.022	.359	74.2	69.5	4.7	67.2	.80	74.0	75.7	NE b N	0.2		+	4		1.25
1. a. m.	.002	.318	73.8	70.0	3.8	68.1	.83	73.9	75.7	„	0.1		+	7		1.00
2 „	29.998	.284	73.0	70.6	2.4	69.4	.89	73.2	75.6	„	0.1		+	2		Above 10m.
3 „	.980	.317	72.6	69.0	3.6	67.2	.84	72.9	75.5	„	0.1					
4 „	.974	.330	72.6	68.4	4.2	66.3	.82	72.9	75.4	„	0.0					
5 „	.981	.330	72.4	68.5	3.9	66.6	.84	72.4	75.1	„	0.0					
6 „	.990	.336	71.7	68.4	3.3	66.7	.85	71.9	75.0	„	0.0					
7 „	30.007	.361	71.2	68.0	3.2	66.4	.86	71.6	75.0	NNE	0.0		+	5		2.00
8 „	.035	.435	72.9	67.2	5.7	64.1	.75	73.1	75.0	„	0.0					
9 „	.043	.421	74.6	68.4	6.2	65.2	.74	74.8	75.1	NE	0.1					
10 „	.038	.462	76.0	67.5	8.5	62.9	.65	75.5	75.3	„	0.1					
11 „	.020	.431	76.4	68.0	8.4	63.5	.66	76.0	75.5	„	0.0					
Noon.	29 987	.460	79.0	67.0	12.0	60.2	.54	78.0	75.7	„	0.2	None.			None.	
1 p. m.	.943	.414	79.4	67.2	12.2	60.3	.54	78.2	76.1	NE b E	0.0					
2 „	.921	.343	79.8	68.8	11.0	63.0	.58	78.3	76.2	„	0.0					
3 „	.909	.291	79.8	70.0	9.8	65.0	.62	78.3	76.4	N b W	0.0					
4 „	.906	.290	78.8	69.6	9.2	64.9	.64	77.5	76.4	NNW	0.0					
5 „	.922	.282	77.8	70.0	7.8	66.1	.69	76.9	76.4	„	0.1					
6 „	.933	.236	77.8	71.6	6.2	68.7	.75	77.2	76.5	„	0.2					
7 „	.945	.225	77.0	72.0	5.0	69.7	.89	76.8	76.5	„	0.1					
8 „	.964	.240	76.6	72.0	4.6	69.9	.81	76.4	76.5	„	0.0					
9 „	.966	.280	75.2	70.5	4.7	68.2	.80	75.2	76.4	„	0.0					
10 „	.957	.295	74.6	69.6	5.0	67.1	.79	74.7	76.3	N b W	0.1		+	2		Above 10m.
11 „	.946	.342	73.2	67.4	5.8	64.3	.75	73.8	76.2	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note—In recording these Observations, the Symbols used to denote the clouds are: ⌄ cirri; ⌄⌄ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ⌄⌣ nimbi.	
7	K	⌄ and ⌄⌄ scattered throughout, latter moving NE.	
7	L	⌄ scattered throughout, moving NE.	
6	L	" "	
7	L	⌄ scattered throughout, moving E.	
7	L	" "	
7	C	⌄ scattered throughout, moving ENE.	
4	C	⌄ scattered about, moving E.	
4	C	⌄ scattered about hor.	
4	C	"	
3	K	"	
3	K	"	
3	K	"	
2	K	⌄ scattered around hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 81°4. The Barometer at 10 A. M. was greatest during this month, being about 0.090 greater than the Normal Mean.
1	L	"	
1	L	"	
1	L	⌄ scattered around hor. and in zth.	
5	L	⌄ scattered along W hor. and in E hem.	
7	C	⌄ scattered throughout, moving E.	
8	C	Overcast with ⌄, moving E.	
8	C	" "	
8	C	" "	
8	K	" "	
8	K	Overcast with ⌄, moving N.	
8	K	Overcast with ⌄, moving NE.	
8	K	" "	
8	L	Overcast with ⌄ and ⌄⌄, latter moving ENE.	
8	L	" "	
8	L	Overcast with ⌄, moving SE.	
8	L	" "	
8	C	Overcast with ⌄.	
8	C	⌄ scattered throughout, moving SE.	
7	C	" "	
7	C	⌄ scattered throughout.	
3	K	⌄ scattered about hor.	
3	K	⌄ scattered around hor. and in NW.	
5	K	⌄ scattered about.	
3	K	⌄ scattered about hor.	Mean daily Temperature of Ground 20 and 60 inches below its surface 77°9 and 81 4. The range of Temperature was 8°6, the lowest during this month.
5	L	⌄ scattered about.	
6	L	"	
5	L	"	
7	L	Nearly overcast with ⌄.	
7	C	"	
8	C	Overcast with ⌄, moving E.	
8	C	Overcast.	
8	C	"	
8	K	"	
8	K	Overcast with ⌄, moving NE.	
8	K	" "	
8	K	Overcast with ⌄ and ⌄⌄, latter moving NE.	
8	L	Overcast.	
8	L	"	
8	L	"	
8	L	"	
8	L	"	
8	L	Overcast with ⌄, moving E.	
8	L	Overcast; a few stars dimly visible in E.	
8	L	" "	
8	L	Overcast; a few stars dimly visible in SE.	
8	L	Overcast; a few stars dimly visible in E and SE.	
8	L	" "	

BOMBAY MAGNETICAL OBSERVATORY.

EXTRAORDINARY ELECTROMETER OBSERVATIONS.

1858.

63*—1858.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
19th March.	From 0h 45m to 0h 54m A. M.	Neg.	Out of Range.	Out of Range.	9	Inst.	0.45	0.10	3 in 1	
		,,	,,	,,	8	,,	.46	.10	3 ,, 2	
		,,	,,	,,	9	,,	.49	.10	2 ,, 1	0.49
		,,	,,	,,	5	,,	.51	.07	1 ,, 1	
		,,	,,	,,	5	,,	.54	.05	1 ,, 2	
21st April.	From 5h to 8h 13m A. M.	Neg.	Out of Range.	Out of Range.	5	Inst.	5.00	0.05	1 in 1	
		,,	,,	,,	4	,,	.01	.04	1 ,, 1	
		,,	,,	,,	5	,,	.04	.05	1 ,, 1	
		,,	,,	,,	4	,,	.07	.05	1 ,, 1	
		,,	,,	,,	6	,,	.09	.06	2 ,, 1	
		,,	,,	,,	3	,,	.15	.03	1 ,, 1	
		,,	,,	,,	6	,,	.17	.06	3 ,, 1	
		,,	,,	,,	9	,,	.48	.10	4 ,, 1	
		,,	,,	,,	10	,,	.49	.10	4 ,, 1	
		,,	,,	,,	8	,,	.50	.09	3 ,, 1	
		,,	,,	,,	10	,,	.51	.10	3 ,, 1	
		,,	,,	,,	8	,,	.52	.08	3 ,, 1	
		,,	,,	,,	8	,,	.53	.07	2 ,, 1	
		,,	,,	,,	6	,,	.58	.07	2 ,, 1	
		,,	,,	,,	10	,,	6.03	.07	2 ,, 1	
		,,	,,	,,	15	,,	.04	.10	1 ,, 1	
		,,	,,	,,	18	,,	.05	.14	1 ,, 1	
		,,	,,	,,	18	,,	.06	.15	1 ,, 1	
		,,	,,	,,	20	,,	.07	.20	2 ,, 1	
		,,	,,	,,	22	,,	.08	.22	Many.	
		,,	,,	,,	22	,,	.09	.22	3 in 1	
		,,	,,	,,	23	,,	.10	.25	1 ,, 1	
		,,	,,	,,	22	,,	.11	.25	2 ,, 3	
		,,	,,	,,	26	,,	.12	.26	2 ,, 1	
		,,	,,	,,	26	,,	.13	.30	1 ,, 1	
		,,	,,	,,	26	,,	.13	.31	2 ,, 1	
		,,	,,	,,	26	,,	.14	.30	1 ,, 1	
		,,	,,	,,	28	,,	.15	.32	1 ,, 1	
		,,	,,	,,	26	,,	.16	.30	1 ,, 1	
		,,	,,	,,	25	,,	.18	.30	2 ,, 1	
		,,	,,	,,	24	,,	.20	.30	1 ,, 1	
		,,	,,	,,	26	,,	.21	.32	3 ,, 1	
		,,	,,	,,	32	,,	.22	.40	4 ,, 3	6.22
		,,	,,	,,	22	,,	.24	.30	1 ,, 1	
		,,	,,	,,	28	,,	.26	.32	2 ,, 1	
		,,	,,	,,	28	,,	.27	.33	2 ,, 1	
		,,	,,	,,	28	,,	.28	.34	3 ,, 1	
		,,	,,	,,	28	,,	.30	.33	2 ,, 1	
		,,	,,	,,	26	,,	.31	.30	3 ,, 1	
		,,	,,	,,	28	,,	.32	.32	2 ,, 1	
		,,	,,	,,	28	,,	.33	.33	3 ,, 1	
		,,	,,	,,	22	,,	.34	.25	2 ,, 1	
		,,	,,	,,	25	,,	.36	.26	1 ,, 1	
		,,	,,	,,	22	,,	.37	.22	1 ,, 1	
		,,	,,	,,	24	,,	.38	.28	1 ,, 1	
		,,	,,	,,	20	,,	.40	.22	2 ,, 1	
		,,	,,	,,	26	,,	.41	.33	2 ,, 1	
		,,	,,	,,	27	,,	.42	.33	2 ,, 1	
		,,	,,	,,	30	,,	.43	.35	3 ,, 2	
		,,	,,	,,	26	,,	.44	.30	2 ,, 1	
		,,	,,	,,	24	,,	.45	.28	2 ,, 1	
		,,	,,	,,	20	,,	.46	.26	3 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29.893	78.0	Calm.	0.0	cms	Overcast with Cu, moving E; a break in W; loud claps of thunder and lightning a few minutes before the observation; a few drops of rain at 0h. 44m. This phenomena of lightning and thunder was noticed between 0h. 10m. and 0h. 54m.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.894	77.8	,,	,,	,,	
29.811	82.1	Calm.	0.0	cms	
		,,	,,	,,	Overcast with Cu; lightning in all directions.
		,,	,,	,,	
		,,	,,	,,	Overcast; lightning in SE, S, and SW; thunder in SE.
		,,	,,	,,	Lightning and thunder in SE of zth.
		SSE	1.0	,,	A break in E; light drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Nearly overcast; lightning and thunder in SE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.809	86.5	ESE	1.5	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with Cu and Cu, latter moving N.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		E	1.0	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; lightning and thunder in SE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0.7	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder in E of zth.; breaks in E and SE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0.4	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; light drops of rain falling.
		ESE	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Lightning in SE; thunder in E of zth.
		,,	,,	,,	
		,,	,,	,,	Thunder in SSE with lightning.
		,,	,,	,,	
		,,	,,	,,	Thunder in S of zth.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; light drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder in E.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sce.	H. M.
21st April.	From 5h to 8h 13m A. M.	Neg.	Out of Range.	Out of Range.	26	Inst.	6.47	0,31	4 in 3	
		,,	,,	,,	26	,,	.48	.31	2 ,, 1	
		,,	,,	,,	26	,,	.49	.30	1 ,, 1	
		,,	,,	,,	26	,,	.51	.28	3 ,, 1	
		,,	,,	,,	26	,,	.52	.30	1 ,, 1	
		,,	,,	,,	12	,,	.53	.10	1 ,, 1	
		,,	,,	,,	26	,,	.54	.28	1 ,, 1	
		,,	,,	,,	30	,,	.55	.38	2 ,, 1	
		,,	,,	,,	22	,,	.57	.32	2 ,, 1	
		,,	,,	,,	28	,,	.58	.35	2 ,, 1	
		,,	,,	,,	32	,,	.59	.35	1 ,, 1	6.54
		,,	,,	,,	30	,,	7.01	.38	1 ,, 1	
		,,	,,	,,	30	,,	.02	.36	3 ,, 1	
		,,	,,	,,	24	,,	.03	.26	2 ,, 1	
		,,	,,	,,	28	,,	.05	.33	1 ,, 1	
		,,	,,	,,	27	,,	.06	.34	1 ,, 1	
		,,	,,	,,	24	,,	.07	.30	1 ,, 1	
		,,	,,	,,	26	,,	.09	.32	1 ,, 1	
		,,	,,	,,	28	,,	.10	.30	1 ,, 1	
		,,	,,	,,	24	,,	.11	.28	2 ,, 1	
		,,	,,	,,	26	,,	.13	.30	2 ,, 1	
		,,	,,	,,	28	,,	.15	.32	1 ,, 1	
		,,	,,	,,	24	,,	.16	.29	3 ,, 1	
		,,	,,	,,	26	,,	.18	.32	2 ,, 1	
		,,	,,	,,	24	,,	.20	.30	1 ,, 1	
		,,	,,	,,	20	,,	.21	.27	2 ,, 1	
		,,	,,	,,	26	,,	.22	.27	3 ,, 2	
		,,	,,	,,	16	,,	.24	.14	1 ,, 1	
		,,	,,	,,	20	,,	.25	.25	1 ,, 1	
		,,	,,	,,	22	,,	.28	.22	1 ,, 1	
		,,	,,	,,	20	,,	.30	.24	1 ,, 1	
		,,	,,	,,	18	,,	.31	.22	1 ,, 1	
		,,	,,	,,	16	,,	.33	.20	1 ,, 1	
		,,	,,	,,	16	,,	.34	.23	1 ,, 1	
		,,	,,	,,	18	,,	.35	.25	1 ,, 1	
		,,	,,	,,	20	,,	.37	.25	2 ,, 1	
		,,	,,	,,	18	,,	.39	.25	1 ,, 1	
		,,	,,	,,	20	,,	.40	.25	1 ,, 1	
		,,	,,	,,	20	,,	.43	.25	1 ,, 1	
		,,	,,	,,	25	,,	.44	.27	3 ,, 2	
		,,	,,	,,	24	,,	.45	.27	2 ,, 1	
		,,	,,	,,	26	,,	.47	.28	2 ,, 1	
		,,	,,	,,	25	,,	.48	.28	3 ,, 2	
		,,	,,	,,	26	,,	.49	.27	2 ,, 1	
		,,	,,	,,	23	,,	.50	.26	3 ,, 2	
		,,	,,	,,	24	,,	.51	.25	2 ,, 5	
		,,	,,	,,	22	,,	.53	.24	2 ,, 1	
		,,	,,	,,	22	,,	.55	.24	1 ,, 2	
		,,	,,	,,	22	,,	.57	.24	1 ,, 1	
		,,	,,	,,	22	,,	.59	.24	1 ,, 1	
		,,	,,	,,	21	,,	8.01	.25	1 ,, 1	
		,,	,,	,,	23	,,	.03	.27	1 ,, 1	
		,,	,,	,,	22	,,	.05	.26	1 ,, 1	
		,,	,,	,,	22	,,	.07	.27	1 ,, 1	
		,,	,,	,,	24	,,	.09	.30	1 ,, 1	
		,,	,,	,,	26	,,	.11	.31	1 ,, 1	
		,,	,,	,,	2	,,	.13	.04	2 ,, 1	
	From 8h 15m to 9h 26m A. M.	Neg.	Out of Range.	Out of Range.	17	Inst.	.15	.22	1 in 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		ESE	0.4	cclo	Thunder in E.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder and lightning in E.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; lightning and thunder in E.
		,,	,,	,,	
		,,	,,	,,	
		ENE	0.3	,,	
29.832	89.4	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with ⌇; lightning and thunder in E of zth.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder in zth.
		,,	,,	,,	Loud peals of thunder in S of zth.
		,,	,,	,,	
		NNE	,,	,,	Thunder in SSW.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder in S; a few drops of rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NE	0.2	,,	Overcast; thunder in E of zth.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; thunder about zth.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with ⌇, moving N; lightning and thunder in N.
		,,	,,	,,	
		,,	,,	,,	Overcast with ⌇; light drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Lightning in NNE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Thunder in N.
		,,	,,	,,	Overcast with ⌇.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Lightning in NE; thunder about zth.
29.860	87.0	,,	,,	,,	
		,,	,,	,,	
		S	0.1	,,	Thunder in NW of zth.
		,,	,,	,,	
		,,	,,	,,	
		,,	0.5	,,	Overcast with ⌇, moving NNW; drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer.			Time of Recovery after Discharge.	Ronald's Spark Measure.			Time of Maximum Tension.
			Volta (1).	Volta (2).	Henly.		Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	
			Sc. Div.	Sc. Div.	°	M. s.	H. M. P. M.	In.	Sp. Sec.	H. M.
21st April.	From 8h 15m to 9h 26m A. M.	Neg.	Out of Range.	Out of Range.	22	Inst.	8.17	0.25	1 in 1	
		,,	,,	,,	24	,,	.19	.26	1 ,, 1	
		,,	,,	,,	22	,,	.21	.26	1 ,, 1	
		,,	,,	,,	20	,,	.23	.25	1 ,, 1	
		,,	,,	,,	18	,,	.25	.23	1 ,, 2	
		,,	,,	,,	20	,,	.27	.23	1 ,, 1	
		,,	,,	,,	18	,,	.29	.23	1 ,, 1	
		,,	,,	,,	20	,,	.31	.25	1 ,, 1	
		,,	,,	,,	20	,,	.33	.25	1 ,, 1	
		,,	,,	,,	22	,,	.35	.26	1 ,, 1	
		,,	,,	,,	28	,,	.41	.28	2 ,, 1	
		,,	,,	,,	25	,,	.43	.28	2 ,, 1	
		,,	,,	,,	28	,,	.48	.30	2 ,, 1	
		,,	,,	,,	28	,,	.50	.30	2 ,, 1	8.50
		,,	,,	,,	22	,,	.53	.26	1 ,, 1	
		,,	,,	,,	22	,,	.58	.26	1 ,, 1	
		,,	,,	,,	20	,,	9.00	.25	1 ,, 1	
		,,	,,	,,	18	,,	.05	.23	1 ,, 1	
		,,	,,	,,	14	,,	.10	.20	1 ,, 1	
		,,	,,	,,	14	,,	.13	.17	1 ,, 1	
		,,	,,	,,	6	,,	.15	.10	1 ,, 4	
		,,	,,	,,	10	,,	.18	.14	1 ,, 2	
		,,	,,	,,	14	,,	.20	.17	1 ,, 1	
		,,	,,	,,	14	,,	.23	.16	1 ,, 1	
		,,	,,	,,	17	,,	.24	.22	1 ,, 1	
		,,	,,	,,	14	,,	.25	.20	1 ,, 3	
		,,	,,	,,	12	,,	.26	.16	1 ,, 4	
	From 10h 12m to 10h 30m A. M.	Neg.	Out of Range.	Out of Range.	19	Inst.	10.12	0.23	1 in 1	
		,,	,,	,,	20	,,	.13	.27	1 ,, 2	
		,,	,,	,,	22	,,	.14	.27	1 ,, 1	
		,,	,,	,,	20	,,	.15	.25	1 ,, 1	
		,,	,,	,,	20	,,	.16	.24	1 ,, 1	
		,,	,,	,,	23	,,	.17	.25	1 ,, 1	10.17
		,,	,,	,,	18	,,	.18	.20	1 ,, 1	
		,,	,,	,,	14	,,	.19	.17	1 ,, 1	
		,,	,,	,,	10	,,	.22	.12	1 ,, 2	
		,,	,,	,,	4	,,	.23	.06	1 ,, 3	
		,,	,,	,,	2	,,	.24	.04	1 ,, 4	
		,,	,,	,,	2	,,	.25	.03	1 ,, 3	
		,,	,,	50	0	0.05	.30			
	From 11h 40m P. M. to 0h 18m A. M.	Neg.	Out of Range.	Out of Range.	6	Inst.	11.40	0.07	1 in 1	
		,,	,,	,,	4	,,	.44	.05	1 ,, 1	
		,,	,,	,,	8	,,	.46	.07	1 ,, 1	
		,,	,,	,,	10	,,	.47	.13	1 ,, 2	
		,,	,,	,,	12	,,	.49	.17	1 ,, 2	
		,,	,,	,,	12	,,	.50	.15	1 ,, 2	
		,,	,,	,,	12	,,	.52	.16	1 ,, 1	
		,,	,,	,,	12	,,	.54	.17	1 ,, 1	
		,,	,,	,,	12	,,	.56	.16	2 ,, 1	
		,,	,,	,,	16	,,	.58	.19	2 ,, 3	
22nd April.		Neg.	Out of Range.	Out of Range.	10	Inst.	00.01	0.15	1 in 2	
		,,	,,	,,	4	,,	.02	.05	1 ,, 1	
		,,	,,	50	0	0.05	.03			
		,,	,,	25	0	0.05	.05			
		,,	,,	Out of Range.	4		.16	.05	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		S	0.5	8/8	
		WSW	0.2	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with ∿, moving NNW; drops of rain falling.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		SSW	0.1	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.874	86.0	E	0.2	"	
		"	"	"	
		"	"	"	
		"	0.3	"	
		"	"	"	
		"	0.6	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with ∿, moving NNW; light drops of rain falling.
		"	0.8	"	
29.886	90.0	SW	0.3	8/8	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.888	83.4	Calm.	0.0	8/8	Overcast with ∿, moving N; lightning and loud peals of thunder, accompanied with a shower of rain.
		"	"	"	
		"	"	"	Overcast with ∿, moving N; raining.
		"	"	"	Overcast.
		NNW	0.1	"	Lightning in NNW; rain falling.
		"	"	"	Overcast; raining.
		"	"	"	Lightning and thunder in NNW.
		"	"	"	Overcast.
		"	"	"	
29.877	81.0	NNW	0.1	8/8	Lightning in NNW of zth.; raining lightly.
		"	"	"	
		"	"	"	Overcast; drizzling rain.
		"	"	"	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
22nd April.		Neg.	Out of Range.	Out of Range.	4	Inst.	0.17	0.05	1 in 3	
		,,	,,	1.0			.18	.05	1 ,, 3	
30th April.	From 4h 32m to 5h 46m P. M.	Neg.	Out of Range.	Out of Range.		Inst.	4.32			
		,,	,,	,,	10	,,	5.03	0.08	1 in 2	
		,,	,,	,,	15	,,	.05	.13	2 ,, 1	5.05
		,,	,,	,,	11	,,	.08	.15	1 ,, 4	
		,,	,,	,,	8	,,	.20	.07	2 ,, 4	
		,,	,,	,,	10	,,	.22	.07	2 ,, 4	
		,,	,,	,,	10	,,	.27	.07	1 ,, 2	
		,,	,,	,,	10	,,	.28	.08	1 ,, 2	
		,,	,,	,,	6	,,	.29	.05	1 ,, 1	
		,,	,,	,,	6	,,	.31	.05	1 ,, 2	
		,,	,,	,,	6	,,	.33	.06	1 ,, 1	
		,,	,,	,,	6	,,	.34	.05	1 ,, 1	
		,,	,,	,,	6	,,	.36	.05	2 ,, 3	
		,,	,,	,,	5	,,	.38	.04	1 ,, 2	
		,,	,,	,,	3	,,	.39	.02	1 ,, 3	
		,,	,,	,,	3	,,	.41	.02	1 ,, 3	
		,,	,,	,,	3	,,	.44	.02	1 ,, 3	
		,,	,,	50		0.04	.46			
	From 6h 20m to 6h 41m P. M.	Neg.	Out of Range.	Out of Range.	4	Inst.	6.20	.03	2 in 3	
		,,	,,	,,	5	,,	.21	.04	1 ,, 3	
		,,	,,	,,	5	,,	.24	.05	1 ,, 2	
		,,	,,	,,	5	,,	.27	.05	1 ,, 2	6.27
		,,	,,	,,	5	,,	.28	.05	1 ,, 3	
		,,	,,	,,	5	,,	.30	.05	1 ,, 2	
		,,	,,	60		0.05	.40			
		,,	,,	45			.41			
15th May.	From 7h 12m to 10h 59m P. M.	Neg.	Out of Range.	Out of Range.	8	Inst.	7.12	0.06	1 in 1	
		,,	,,	,,	13	,,	.14	.13	1 ,, 1	
		,,	,,	,,	11	,,	.24	.11	2 ,, 1	
		,,	,,	,,	13	,,	.25	.13	2 ,, 1	
		,,	,,	,,	14	,,	.27	.14	2 ,, 1	
		,,	,,	,,	17	,,	.28	.15	1 ,, 1	
		,,	,,	,,	16	,,	.29	.14	2 ,, 1	
		,,	,,	,,	16	,,	.31	.13	1 ,, 1	
		,,	,,	,,	12	,,	.33	.11	2 ,, 1	
		,,	,,	,,	14	,,	.35	.13	3 ,, 1	
		,,	,,	,,	18	,,	.37	.15	2 ,, 1	
		,,	,,	,,	12	,,	.39	.07	1 ,, 2	
		,,	,,	,,	10	,,	.41	.08	1 ,, 1	
		,,	,,	,,	12	,,	.43	.08	1 ,, 1	
		,,	,,	,,	14	,,	.45	.08	1 ,, 3	
		,,	,,	,,	12	,,	.47	.10	2 ,, 1	
		,,	,,	,,	10	,,	.49	.09	2 ,, 1	
		,,	,,	,,	12	,,	.51	.11	1 ,, 1	
		,,	,,	,,	10	,,	.53	.09	1 ,, 1	
		,,	,,	,,	13	,,	.55	.13	1 ,, 2	
		,,	,,	,,	14	,,	.57	.12	2 ,, 1	
		,,	,,	,,	16	,,	.59	.14	2 ,, 1	
		,,	,,	,,	18	,,	8.01	.15	1 ,, 1	
		,,	,,	,,	18	,,	.03	.15	2 ,, 1	
		,,	,,	,,	18	,,	.05	.14	1 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NNW	0.1	cto	Overcast; rain ceased.
		,,	,,	,,	
		Calm.	0.0	cto	Overcast.
		,,	,,	,,	Overcast with ∿ı, moving NW; lightning in N.
		,,	,,	,,	Overcast, thunder in E; drops of rain.
		,,	,,	,,	Breaks in E; rain in large drops falling.
		,,	,,	,,	Overcast; drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		E	0.1	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; light drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		Calm.	0.0	cto	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.683	85.6	ESE	3.0	cto	Overcast with ∿ı, moving NW; lightning and thunder in N, NE, E, SE, and S; raining.
		,,	,,	,,	
		,,	,,	,,	
		E b N	4.0	,,	
		,,	4.0	,,	
		E	5.0	,,	Overcast; lightning and thunder about zth.; raining.
		,,	4.0	,,	
		ESE	1.0	,,	
		,,	1.0	,,	
		SE	0.5	,,	
		,,	,,	,,	
		Calm.	0.0	,,	
		NW	0.4	,,	Overcast; lightning and thunder in E hem.; raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N	,,	,,	
		,,	,,	,,	Overcast; lightning and thunder along E hor.; large drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
29.674	79.2	,,	0.4	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; lightning and thunder about zth.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sce.	H. M.
15TH MAY.	From 7h 12m to 10h 59m P. M.	Neg.	Out of Range.	Out of Range.	16	Inst.	8.07	0.13	1 in 1	
		,,	,,	,,	15	,,	.09	.13	1 ,, 1	
		,,	,,	,,	24	,,	.13	.22	3 ,, 1	8.13
		,,	,,	,,	20	,,	.14	.19	2 ,, 1	
		,,	,,	,,	18	,,	.16	.14	1 ,, 1	
		,,	,,	,,	16	,,	.18	.13	1 ,, 1	
		,,	,,	,,	20	,,	.21	.15	3 ,, 1	
		,,	,,	,,	16	,,	.23	.13	1 ,, 1	
		,,	,,	,,	18	,,	.25	.14	1 ,, 1	
		,,	,,	,,	15	,,	.27	.12	1 ,, 2	
		,,	,,	,,	14	,,	.29	.12	1 ,, 2	
		,,	,,	,,	12	,,	.31	.10	1 ,, 1	
		,,	,,	,,	8	,,	.33	.05	1 ,, 3	
		,,	,,	,,	10	,,	.35	.06	1 ,, 3	
		,,	,,	,,	10	,,	.37	.06	1 ,, 2	
		,,	,,	,,	13	,,	.39	.08	1 ,, 2	
		,,	,,	,,	18	,,	.41	.10	1 ,, 1	
		,,	,,	,,	16	,,	.43	.09	1 ,, 3	
		,,	,,	,,	16	,,	.45	.13	1 ,, 1	
		,,	,,	,,	16	,,	.47	.08	1 ,, 4	
		,,	,,	,,	14	,,	.49	.05	1 ,, 5	
		,,	,,	,,	12	,,	.51	.05	1 ,, 7	
		,,	,,	,,	14	,,	.53	.06	1 ,, 4	
		,,	,,	,,	10	,,	.55	.06	1 ,, 4	
		,,	,,	,,	16	,,	.57	.08	1 ,, 1	
		,,	,,	,,	8	,,	.59	.06	1 ,, 2	
		,,	,,	,,	17	,,	9.01	.13	1 ,, 1	
		,,	,,	,,	14	,,	.03	.12	1 ,, 1	
		,,	,,	,,	18	,,	.05	.14	2 ,, 1	
		,,	,,	,,	11	,,	.11	.11	1 ,, 2	
		,,	,,	,,	14	,,	.13	.13	1 ,, 1	
		,,	,,	,,	16	,,	.15	.14	1 ,, 1	
		,,	,,	,,	18	,,	.17	.15	1 ,, 1	
		,,	,,	,,	18	,,	.19	.14	1 ,, 1	
		,,	,,	,,	16	,,	.21	.13	1 ,, 1	
		,,	,,	,,	14	,,	.23	.13	1 ,, 1	
		,,	,,	,,	17	,,	.25	.14	1 ,, 1	
		,,	,,	,,	16	,,	.27	.14	1 ,, 2	
		,,	,,	,,	14	,,	.29	.13	1 ,, 2	
		,,	,,	,,	12	,,	.34	.12	1 ,, 2	
		,,	,,	,,	8	,,	.39	.10	1 ,, 2	
		,,	,,	,,	8	,,	.44	.08	1 ,, 2	
		,,	,,	,,	15	,,	.49	.13	1 ,, 1	
		,,	,,	,,	14	,,	.54	.14	1 ,, 1	
		,,	,,	,,	14	,,	.59	.14	1 ,, 1	
		,,	,,	,,	10	,,	10.04	.09	1 ,, 2	
		,,	,,	,,	8	,,	.14	.08	1 ,, 2	
		,,	,,	,,	8	,,	.19	.08	1 ,, 2	
		,,	,,	,,	8	,,	.24	.07	1 ,, 3	
		,,	,,	,,	10	,,	.29	.08	1 ,, 2	
		,,	,,	,,	9	,,	.34	.08	1 ,, 3	
		,,	,,	,,	8	,,	.39	.07	1 ,, 2	
		,,	,,	,,	9	,,	.44	.08	1 ,, 3	
		,,	,,	,,	8	,,	.49	.07	1 ,, 3	
		,,	,,	,,	5	,,	.54	.05	1 ,, 4	
		,,	,,	50		0.10	.59			
22ND MAY.	From 6h 20m to 10h 23m A. M.	Neg.	Out of Range.	Out of Range.	6	Inst.	6.20	0.05	1 in 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		N	0.4	cdo	
		„	0.3	„	
		S	„	„	Overcast; lightning and thunder in N and NE; raining lightly.
		„	„	„	
		„	„	„	
		„	„	„	
		SW	„	„	
		„	„	„	
		SSW	„	„	
		„	„	„	Overcast; lightning and thunder in N; raining lightly.
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	Overcast; lightning and thunder in NW, N, and NE hor.; large drops of rain falling.
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
29.682	83.5	„	0·2	„	
		„	„	„	
		„	„	„	
		„	„	„	
		S	„	„	
		SSE	„	„	Overcast; lightning and thunder in N; raining.
		„	„	„	
		SE b S	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		SE	„	„	
		„	„	„	
		„	„	„	
		SE b E	„	„	
		„	„	„	Overcast with ∿ı; raining.
		„	„	„	
		„	0.1	„	
29.663	79.6	„	„	„	
		„	„	„	
		„	„	„	
		„	„	„	
		SSE	0.2	„	
		„	„	„	
		„	„	„	Overcast with ∿ı; large drops of rain falling.
		„	„	„	
		„	„	„	
29.604	79.4	„	„	„	
29.576	83.1	WNW	0.2	cdo	Overcast with ∿ı, moving SE; lightning in NE; thunder in SW.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sce.	H. M.
22nd May.	From 6h 20m to 10h 23m A. M.	Neg.	Out of Range.	Out of Range.	8	Inst.	6.22	0.05	1 in 2	
		„	„	„	5	„	.24	.05	1 „ 1	
		„	„	„	4	„	.26	.05	1 „ 2	
		„	„	„	5	„	.27	.06	1 „ 1	
		„	„	„	4	„	.29	.05	1 „ 2	
		„	„	„	4	„	.31	.05	1 „ 1	
		„	„	„	5	„	.33	.05	1 „ 1	
		„	„	„	4	„	.35	.04	1 „ 1	
		„	„	„	4	„	.37	.04	1 „ 1	
		„	„	„	5	„	.40	.05	2 „ 1	
		„	„	„	4	„	.42	.04	1 „ 1	
		„	„	„	5	„	.43	.05	1 „ 1	
		„	„	„	5	„	.45	.05	1 „ 1	
		„	„	„	5	„	.47	.05	1 „ 1	
		„	„	„	5	„	.50	.05	1 „ 1	
		„	„	„	5	„	.54	.05	1 „ 2	
		„	„	„	6	„	.57	.06	1 „ 1	
		„	„	„	5	„	7.01	.05	1 „ 1	
		„	„	„	6	„	.06	.06	1 „ 1	
		„	„	„	6	„	.11	.06	1 „ 2	
		„	„	„	6	„	.16	.06	1 „ 1	
		„	„	„	6	„	.18	.07	1 „ 1	
		„	„	„	5	„	.23	.07	1 „ 1	
		„	„	„	5	„	.28	.07	1 „ 1	
		„	„	„	6	„	.33	.07	1 „ 1	
		„	„	„	4	„	.38	.06	1 „ 1	
		„	„	„	5	„	.43	.07	1 „ 1	
		„	„	„	4	„	.48	.06	1 „ 1	
		„	„	„	5	„	.53	.06	1 „ 1	
		„	„	„	3	„	.58	.05	1 „ 1	
		„	„	„	3	„	8.03	.05	1 „ 1	
		„	„	„	3	„	.08	.05	1 „ 1	
		„	„	„	3	„	.13	.05	1 „ 1	
		„	„	„	6	„	.44	.06	1 „ 2	
		„	„	„	6	„	.48	.07	1 „ 1	
		„	„	„	7	„	.53	.09	1 „ 2	
		„	„	„	9	„	.58	.10	1 „ 1	
		„	„	„	8	„	9.03	.11	1 „ 2	
		„	„	„	9	„	.08	.11	1 „ 3	
		„	„	„	8	„	.13	.09	1 „ 2	
		„	„	„	9	„	.18	.08	1 „ 2	
		„	„	„	8	„	.23	.08	1 „ 2	
		„	„	„	9	„	.28	.11	1 „ 1	
		„	„	„	8	„	.33	.10	1 „ 2	
		„	„	„	11	„	.38	.11	1 „ 2	
		„	„	„	12	„	.43	.10	1 „ 1	9.43
		„	„	„	9	„	.48	.09	1 „ 1	
		„	„	„	10	„	.54	.09	1 „ 1	
		„	„	„	10	„	10.00	.10	1 „ 1	
		„	„	„	9	„	.03	.10	2 „ 3	
		„	„	„	9	„	.08	.08	1 „ 2	
		„	„	„	10	„	.13	.09	1 „ 2	
		„	„	„	8	„	.18	.07	1 „ 1	
		„	„	„	8	„	.23	.07	A spark.	
1st June.	From 10h 48m to 11h 04m A. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	10.48	0.09	1 in 1	
		„	„	„	5	„	.49	.09	1 „ 1	
		„	„	„	6	„	.50	.09	1 „ 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NW	0.2	8/8	Overcast with ∿ı, moving SE; lightning in NE; thunder in SW.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast.
		,,	0.3	,,	
		,,	,,	,,	
		NW b W	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; thunder in SW; lightning in SE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast.
		,,	,,	,,	
		,,	,,	,,	
29.600	83.4	,,	,,	,,	
		WNW	0·2	,,	Overcast with ∿ı, moving ESE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		W b N	0·3	,,	Overcast; thunder in SW and SE; lightning in SE.
		,,	,,	,,	Overcast.
		,,	,,	,,	
29.615	83.6	,,	0.2	,,	Overcast with ∿ı, moving E.
		,,	,,	,,	Overcast; thunder in SW and SE; lightning in SE.
		,,	,,	,,	Overcast; raining lightly.
		WSW	,,	,,	
		,,	,,	,,	Overcast; thunder in WSW.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast.
29.630	83.2	W b S	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; thunder in SW; lightning in SW.
		,,	,,	,,	Overcast.
		,,	,,	,,	
		W	,,	,,	Overcast, drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	Overcast; low rumbling thunder in SW; lightning in SW.
		WSW	,,	,,	Overcast; drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
29.649	83.2	SW	,,	,,	Overcast; no rain.
		,,	,,	,,	
		,,	,,	,,	Overcast; light drops of rain falling.
		WSW	,,	,,	
		,,	,,	,,	Overcast.
29.646	83.5	,,	,,	,,	
29.864	80.2	WNW	0.2	8/8	
		NNW	,,	,,	Overcast with ∿ı; drizzling rain falling.
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
1st June.	From 10h 48m to 11h 04m A. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	10.51	0.10	1 in 1	
		,,	,,	,,	5	,,	.52	.09	1 ,, 1	
		,,	,,	,,	5	,,	.53	.08	1 ,, 1	
		,,	,,	,,	6	,,	.54	.10	2 ,, 3	
		,,	,,	,,	7	,,	.55	.11	1 ,, 1	
		,,	,,	,,	7	,,	.56	.11	2 ,, 1	
		,,	,,	,,	8	,,	.57	.12	1 ,, 1	10.57
		,,	,,	,,	6	,,	.58	.09	1 ,, 1	
		,,	,,	,,	5	,,	11.00	.09	1 ,, 1	
		,,	,,	,,	6	,,	.04	.10	1 ,, 1	
2nd June.	From 4h 48m to 5h 10m A. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	4.48	0.05	1 in 1	4.48
		,,	,,	,,	5	,,	.51	.03	1 ,, 4	
		,,	,,	,,	4	,,	.53	.07	1 ,, 6	
		,,	,,	,,	4	,,	.55	.07	1 ,, 6	
		,,	,,	,,	4	,,	.57	.07	1 ,, 8	
		,,	,,	,,	4	,,	5.00	.06	1 ,, 2	
		,,	,,	,,	2	,,	.04	.04	1 ,, 4	
		,,	,,	,,	3	,,	.07	.04	A spark.	
		,,	,,	100		0.10	.09			
		,,	,,	105		0.14	.10			
	From 1h 05m to 1h 57m P. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	1.05	0.05	1 in 2	
		,,	,,	,,	3	,,	.07	.05	1 ,, 2	
		,,	,,	,,	4	,,	.08	.06	1 ,, 3	
		,,	,,	,,	4	,,	.12	.06	1 ,, 3	
		,,	,,	,,	4	,,	.14	.06	1 ,, 3	
		,,	,,	,,	4	,,	.16	.06	1 ,, 3	
		,,	,,	,,	6	,,	.18	.07	1 ,, 4	
		,,	,,	,,	5	,,	.20	.06	1 ,, 2	
		,,	,,	,,	5	,,	.22	.07	1 ,, 3	
		,,	,,	,,	6	,,	.24	.07	1 ,, 2	
		,,	,,	,,	7	,,	.27	.08	1 ,, 2	
		,,	,,	,,	6	,,	.29	.07	1 ,, 2	
		,,	,,	,,	6	,,	.31	.07	1 ,, 2	
		,,	,,	,,	6	,,	.32	.07	1 ,, 2	
		,,	,,	,,	7	,,	.33	.08	1 ,, 2	1.33
		,,	,,	,,	6	,,	.36	.07	1 ,, 2	
		,,	,,	,,	5	,,	.38	.06	1 ,, 2	
		,,	,,	,,	5	,,	.40	.06	1 ,, 3	
		,,	,,	,,	5	,,	.42	.07	1 ,, 3	
		,,	,,	,,	5	,,	.44	.06	1 ,, 3	
		,,	,,	,,	4	,,	.45	.05	1 ,, 2	
		,,	,,	,,	4	,,	.47	.05	1 ,, 3	
		,,	,,	,,	3	,,	.51	.04	1 ,, 3	
		,,	,,	,,	2	,,	.54	.03	1 ,, 4	
		,,	,,	50		0.03	.57			
	From 5h 37m to 5h 44m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst	5.37	0.06	1 in 2	
		,,	,,	,,	6	,,	.39	.07	1 ,, 3	
		,,	,,	,,	4	,,	.41	.06	2 ,, 3	
		,,	,,	,,	4	,,	.42	.05	1 ,, 4	
		,,	,,	,,	3	,,	.44	.04	1 ,, 4	
	From 5h 07m to 6h 38m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	6.07	0.09	1 in 2	
		,,	,,	,,	7	,,	.13	.10	2 ,, 1	
		,,	,,	,,	8	,,	.14	.10	1 ,, 1	
		,,	,,	,,	8	,,	.15	.10	1 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		WNW	0.2	8/8	Overcast with Nb; drizzling rain falling.
		,,	,,	,,	
		NW	,,	,,	
		WNW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.830	80.1	,,	0·1	,,	
		,,	,,	,,	
29.750	81.5	Calm.	0.0	8/8	Overcast with Nb; lightning and thunder about 2th.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.750	81.4	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.780	84.1	SW b S	0.1	8/8	Overcast in two strata with Nb, moving E; a break in SW.
		SSW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		SE b S	,,	,,	Overcast with Nb, moving E.
		,,	,,	,,	
29.768	84.2	,,	,,	,,	
29.728	79.7	Calm.	0.0	8/8	Overcast with Nb, moving NNE.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.729	79.7	Calm.	0.0	8/8	Overcast with Nb; drizzling rain.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer.			Time of Recovery after Discharge.	Ronald's Spark Measure.			Time of Maximum Tension.
			Volta (1).	Volta (2).	Henly.		Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	
			Sc. Div.	Sc. Div.	°	M. s.	H. M. P. M.	In.	Sp. Sec.	H. M.
2nd June.	From 6h 7m to 6h 38m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	6.16	0.09	1 in 3	
		„	„	„	10	„	.17	.11	1 „ 2	
		„	„	„	10	„	.18	.11	1 „ 2	6 18
		„	„	„	10	„	.19	.11	2 „ 3	
		„	„	„	10	„	.21	.10	1 „ 1	
		„	„	„	9	„	.22	.10	1 „ 1	
		„	„	„	8	„	.24	.09	2 „ 3	
		„	„	„	8	„	.27	.09	1 „ 1	
		„	„	„	8	„	.29	.09	1 „ 1	
		„	„	„	10	„	.30	.11	1 „ 1	
		„	„	„	10	„	.33	.11	1 „ 1	
		„	„	„	10	„	.34	.11	1 „ 1	
		„	„	„	6	„	.36	.07	1 „ 3	
		„	„	40		0.02	.38			
	From 6h 51m to 7h 20m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	6.51	0.08	2 in 3	6.51
		„	„	„	9	„	.52	.08	2 „ 3	
		„	„	„	8	„	.57	.06	1 „ 2	
		„	„	10	10	„	7.02			
22nd June.	From 3h 32m to 4h 32m A. M.	Neg.	Out of Scale.	Out of Scale.	15	Inst.	3.32	0.20	2 in 1	
		„	„	„	16	„	.34	.23	2 „ 1	
		„	„	„	20	„	.38	.26	1 „ 1	3.38
		„	„	„	15	„	.40	.18	1 „ 1	
		„	„	„	17	„	.41	.21	3 „ 1	
		„	„	„	18	„	.43	.22	2 „ 1	
		„	„	„	20	„	.45	.21	1 „ 1	
		„	„	„	19	„	.47	.20	2 „ 1	
		„	„	„	18	„	.48	.20	3 „ 1	
		„	„	„	16	„	.49	.19	1 „ 1	
		„	„	„	16	„	.50	.19	3 „ 2	
		„	„	„	16	„	.51	.18	2 „ 1	
		„	„	„	16	„	.52	.18	2 „ 1	
		„	„	„	17	„	.53	.20	2 „ 1	
		„	„	„	16	„	.54	.20	1 „ 1	
		„	„	„	18	„	.55	.23	2 „ 1	
		„	„	„	18	„	.56	.18	1 „ 1	
		„	„	„	13	„	.59	.15	2 „ 3	
		„	„	„	12	„	4.00	.15	2 „ 1	
		„	„	„	14	„	.01	.16	1 „ 1	
		„	„	„	13	„	.02	.15	1 „ 1	
		„	„	„	13	„	.03	.16	1 „ 1	
		„	„	„	12	„	.04	.14	1 „ 1	
		„	„	„	12	„	.05	.14	2 „ 1	
		„	„	„	10	„	.06	.13	2 „ 1	
		„	„	„	10	„	.07	.12	1 „ 1	
		„	„	„	10	„	.09	.13	2 „ 1	
		„	„	„	7	„	.10	.11	1 „ 1	
		„	„	„	10	„	.12	.15	1 „ 1	
		„	„	„	9	„	.13	.13	3 „ 2	
		„	„	„	9	„	.15	.12	1 „ 1	
		„	„	„	8	„	.16	.11	1 „ 3	
		„	„	„	7	„	.17	.10	1 „ 2	
		„	„	„	8	„	.18	.11	1 „ 2	
		„	„	„	9	„	.19	.12	1 „ 1	
		„	„	„	8	„	.20	.10	1 „ 1	
		„	„	„	8	„	.21	.10	1 „ 4	
		„	„	„	7	„	.22	.10	1 „ 3	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		Calm.	0.0	cirro	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with cirri; drizzling rain.
		"	"	"	
		"	"	"	
		"	"	"	
		E	0·1	"	
		"	"	"	Overcast; breaks in NW and W.
		"	"	"	
		E b N	0.2	"	Overcast; rainbow visible in E.
		"	"	"	
		"	"	"	
29·735	78.2	"	"	"	
		E b N	0.2	cirro	Overcast; raining lightly.
		"	"	"	
		"	"	"	
29.741	79.0	"	"	"	
29.651	78.7	NNW	1·5	cirro	
		"	"	"	
		"	1.0	"	
		"	0.5	"	Overcast with cirri in two strata, lower stratum moving NE; drizzling rain falling; force of wind at 3h. 20m. was about 2.5 lbs.
		"	"	"	
		Calm.	0.0	"	
		"	"	"	
		"	"	"	
		NNW	0.2	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with cirri; light drops of rain falling.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.654	77.8	"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; raining.
		"	"	"	
		W b S	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		Calm.	0·0	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; drizzling rain falling.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sce.	H. M.
22nd June.	From 3h 32m to 4h 32m A. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	4.23	0.10	1 in 4	
		,,	,,	,,	7	,,	.25	.09	1 ,, 3	
		,,	,,	,,	6	,,	.26	.08	2 ,, 7	
		,,	,,	,,	6	,,	.27	.07	1 ,, 4	
		,,	,,	,,	5	,,	.28	.05	1 ,, 5	
		,,	,,	,,	4	,,	.29	.06	1 ,, 6	
		,,	,,	,,	4	,,	.30	.05	1 ,, 7	
		,,	,,	75	0	0.34	.31			
		,,	,,	70	0	0.46	.32			
	From 11h 18m to 11h 36m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	11·18	0.10	2 in 1	11.18
		,,	,,	,,	6	,,	.20	.10	1 ,, 1	
		,,	,,	,,	7	,,	.22	.10	1 ,, 1	
		,,	,,	,,	7	,,	.24	.09	1 ,, 1	
		,,	,,	,,	7	,,	·26	.10	1 ,, 1	
		,,	,,	,,	7	,,	.28	.09	1 ,, 1	
		,,	,,	,,	6	,,	.30	.08	1 ,, 1	
		,,	,,	,,	6	,,	.32	.08	1 ,, 1	
		,,	,,	,,	4	,,	.34	.04	1 ,, 1	
		,,	,,	,,	4	,,	.36	.03	1 ,, 1	
24th June.	From 7m 48m to 8h A. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	7.48	0.10	2 in 3	
		,,	,,	,,	8	,,	.50	.10	1 ,, 1	
		,,	,,	,,	10	,,	.51	.12	2 ,, 3	7.51
		,,	,,	,,	7	,,	.52	.09	2 ,, 1	
		,,	,,	,,	6	,,	.59	.07	2 ,, 1	
		,,	,,	,,	6	,,	8.00	.07	2 ,, 1	
25th June.	A Single Observation only at 10h. A. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst	10.00	0.05		
		,,	,,	,,	4	,,	3.02	.07	1 in 1	
	From 3h 2m to 3h 54m P. M.	,,	,,	,,	5	,,	.03	.08	1 ,, 1	
		,,	,,	,,	6	,,	.04	.10	1 ,, 1	
		,,	,,	,,	6	,,	.05	.10	1 ,, 1	
		,,	,,	,,	6	,,	.07	.10	4 ,, 1	
		,,	,,	,,	10	,,	.08	.14	1 ,, 1	
		,,	,,	,,	7	,,	.09	.10	2 ,, 1	
		,,	,,	,,	12	,,	.10	.14	2 ,, 1	3.10
		,,	,,	,,	11	,,	.11	.13	1 ,, 1	
		,,	,,	,,	10	,,	.12	.14	2 ,, 1	
		,,	,,	,,	5	,,	.23	.07	1 ,, 1	
		,,	,,	,,	6	,,	.25	.08	1 ,, 1	
		,,	,,	,,	4	,,	.26	.06	2 ,, 1	
		,,	,,	,,	4	,,	.27	.05	1 ,, 1	
		,,	,,	,,	5	,,	.32	.06	1 ,, 2	
		,,	,,	,,	8	,,	.36	.09	2 ,, 3	
		,,	,,	,,	6	,,	.37	.07	1 ,, 3	
		,,	,,	,,	4	,,	.39	.05	1 ,, 2	
		,,	,,	,,	6	,,	.42	.07	1 ,, 1	
		,,	,,	,,	6	,,	.43	.07	1 ,, 3	
		,,	,,	,,	6	,,	.45	.07	1 ,, 1	
		,,	,,	,,	8	,,	.46	.09	1 ,, 1	
		,,	,,	,,	5	,,	.49	.07	1 ,, 1	
		,,	,,	,,	3	,,	·53	.04	1 ,, 3	
		,,	0	0	0	None.	.54			
	From 6h 28m to 7h 4m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	6.28	0.09	2 in 1	
		,,	,,	,,	8	,,	.29	.10	2 ,, 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		Calm.	0.0	8/8	Overcast; drizzling rain falling.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.662	78.4	"	"	"	
29.661	80.4	SW	0.1	"	Overcast with ∿ı; drizzling rain falling; force of wind at about 10h. 50m. P. M. was 2.5 lbs.
		"	"	"	
		"	"	"	
		"	"	"	
		WSW	"	"	
		SSW	"	"	
		WSW	"	"	
		SSW	"	"	
		"	"	"	
29.659	80.7	W b S	"	"	
29.583	78.0	Calm.	0.0	8/8	Overcast; raining.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.587	77.6	"	"	"	
29.608	81 6	NW	2.5	8/8	Overcast; no rain.
29.586	78.1	NW b N	0.3	"	Overcast with ∿ı; raining.
		NW	"	"	
		"	"	"	
		WNW	"	"	
		"	"	"	
		NNW	"	"	
		"	"	"	
		NW	"	"	
		NNW	"	"	
		"	"	"	
		NW b N	"	"	
		NNW	"	"	
		NW b N	"	"	
		"	"	"	
		NNW	"	"	Overcast; raining.
		NW b N	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with ∿ı.
		"	"	"	
		"	"	"	
		"	"	"	
29.584	77.9	"	"	"	
.611	78.3	NN b W	0.1	8/8	Overcast with ∿ı, moving E; drizzling rain falling.
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sce.	H. M.
25th June.	From 6h 28m to 7h 4m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	6.31	0.09	2 in 1	
		"	"	"	8	"	.32	.10	2 " 1	6.32
		"	"	"	7	"	.33	.09	2 " 1	
		"	"	"	7	"	.35	.09	1 " 1	
		"	"	"	8	"	.37	.10	1 " 1	
		"	"	"	7	"	.40	.08	1 " 2	
		"	"	"	7	"	.42	.08	2 " 3	
		"	"	"	7	"	.47	.08	1 " 2	
		"	"	"	6	"	.52	.07	1 " 2	
		"	"	"	6	"	.57	.07	1 " 2	
		"	"	"	5	"	7.02	.06	1 " 2	
		"	"	50		0.13	.04			
	From 8h 50m to 9h 18m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	8.50	0.03	1 in 1	
		"	"	"	6	"	.52	.06	1 " 1	
		"	"	"	10	"	.53	.10	1 " 1	
		"	"	"	10	"	.54	.11	1 " 1	
		"	"	"	14	"	.55	.15	2 " 1	
		"	"	"	14	"	.56	.15	2 " 1	
		"	"	"	17	"	.57	.20	3 " 1	8.57
		"	"	"	17	"	9.00	.18	2 " 1	
		"	"	"	7	"	.12	.08	1 " 1	
		"	"	"	6	"	.13	.07	1 " 1	
		"	"	"	6	"	.14	.07	1 " 1	
		"	"	"	4	"	.15	.05	1 " 1	
		"	"	"	4	"	.16	.04	1 " 1	
		"	"	"	4	"	.17	.04	A spark.	
		"	"	50		0.08	.18			
29th June.	From 6h 2m to 6h 18m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	6.02	0.06	2 in 1	
		"	"	"	7	"	.07	.07	3 " 1	6.07
		"	"	"	4	"	.08	.06	1 " 2	
		"	"	"	2	"	.09	.03	A spark.	
		"	"	"	4	"	.12	.05	2 in 5	
		"	"	"	3	"	.13	.05	2 " 5	
		"	"	"	4	"	.14	.05	1 " 1	
		"	"	"	4	"	.15	.06	1 " 2	
		"	"	"	3	"	.16	.05	1 " 2	
		"	"	"	3	"	.17	.05	1 " 4	
		"	"	50		0.15	.18		A spark.	
7th July.	From 0h 29m to 0h 43m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	0.29	0.10	1 in 1	
		"	"	"	8	"	.31	.11	3 " 2	
		"	"	"	9	"	.32	.12	2 " 1	
		"	"	"	10	"	.33	.13	1 " 1	0.33
		"	"	"	8	"	.34	.10	1 " 2	
		"	"	"	6	"	.35	.08	1 " 1	
		"	"	"	7	"	.36	.08	1 " 2	
		"	"	"	5	"	.37	.06	1 " 2	
		"	"	50	0	0.03	.38			
		"	"	"	6	Inst.	.40	.07	1 in 1	
		"	"	"	8	"	.41	.10	1 " 1	
		"	"	"	6	"	.42	.07	1 " 2	
		"	18	0	0	0.26	.43			
	From 0h 55m to 1h 14m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	0.55	0.06	1 in 1	
		"	"	"	7	"	.56	.09	1 " 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NN b W	0.1	cm	Overcast with Cu, moving E; drizzling rain falling.
		"	"	"	
		"	"	"	
		"	"	"	Overcast.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.714	78.3	"	"	"	
29.627	77.2	W	1.5	cm	Overcast; raining.
		WNW	"	"	
		"	"	"	
		"	"	"	
		"	1·0	"	
		"	"	"	
29.627	77.0	WNW	0.5	"	Overcast with Cu; raining.
		"	0.2	"	
		NW b W	"	"	
		"	"	"	
		WNW	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.631	77.3	"	"	"	
29.730	79.6	SSW	0.4	cm	Overcast with Cu; a break in W; rainbow in E.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.710	79.7	"	"	"	
29.630	78.4	NE b E	0.1	cm	Overcast with Cu; raining lightly.
		"	"	"	
		"	"	"	
		"	"	"	Overcast with Cu; moving E.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		Calm.	0.0	"	Overcast; raining.
		"	"	"	Overcast with Cu; drizzling rain falling.
		"	"	"	
		"	"	"	
		NE b E	0.1	cm	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
7th July.	From 0h 55m to 1h 14m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	0.57	0.09	1 in 2	
		,,	,,	,,	8	,,	.58	.10	1 ,, 1	
		,,	,,	,,	9	,,	.59	.10	1 ,, 2	
		,,	,,	,,	9	,,	1.00	.10	1 ,, 2	
		,,	,,	,,	10	,,	.01	.12	1 ,, 2	
		,,	,,	,,	11	,,	.02	.13	2 ,, 3	1.02
		,,	,,	,,	11	,,	.03	.13	1 ,, 1	
		,,	,,	,,	10	,,	.04	.12	1 ,, 1	
		,,	,,	,,	8	,,	.05	.10	1 ,, 2	
		,,	,,	,,	8	,,	.07	.10	1 ,, 2	
		,,	,,	,,	7	,,	.08	.09	1 ,, 1	
		,,	,,	,,	6	,,	.09	.09	1 ,, 1	
		,,	,,	,,	2	,,	.11	.03	1 ,, 1	
		,,	,,	,,	3	,,	.13	.04	A spark.	
		,,	,,	30		0.15	.14			
	From 1h 22m to 1h 31m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	1.22	0.07	1 in 1	
		,,	,,	,,	6	,,	.23	.07	1 ,, 1	
		,,	,,	,,	8	,,	.24	.09	1 ,, 1	1.24
		,,	,,	,,	5	,,	.25	.06	1 ,, 1	
		,,	,,	,,	6	,,	.26	.07	1 in 2	
		,,	,,	,,	4	,,	.28	.06	A spark.	
		,,	,,	100	0	0.08	.30		A spark.	
		,,	,,	50	0	0.29	.31			
	From 2h 21m to 2h 53m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	2.21	0.06	1 in 1	
		,,	,,	,,	6	,,	.31	.06	1 ,, 1	2.31
		,,	,,	,,	4	,,	.40	.05	1 ,, 1	
		,,	,,	,,	3	,,	.50	.04	1 ,, 1	
		,,	,,	,,	1	,,	.53	.03	A spark.	
8th July.	From 8h 2m to 8h 59m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	8.02	0.13	1 in 1	
		,,	,,	,,	12	,,	.03	.14	1 ,, 1	
		,,	,,	,,	13	,,	.04	.14	1 ,, 2	
		,,	,,	,,	12	,,	.05	.13	1 ,, 1	
		,,	,,	,,	12	,,	.06	.14	1 ,, 1	
		,,	,,	,,	11	,,	.07	.13	1 ,, 1	
		,,	,,	,,	11	,,	.08	.13	1 ,, 1	
		,,	,,	,,	9	,,	.09	.11	1 ,, 1	
		,,	,,	,,	7	,,	.10	.10	1 ,, 2	
		,,	,,	,,	6	,,	.11	.08	1 ,, 3	
		,,	,,	,,	4	,,	.12	.06	2 ,, 3	
		,,	,,	,,	3	,,	.13	.05	1 ,, 2	
		,,	,,	,,	9	,,	.14	.11	3 ,, 2	
		,,	,,	,,	10	,,	.15	.12	3 ,, 2	
		,,	,,	,,	11	,,	.16	.13	2 ,, 1	
		,,	,,	,,	11	,,	.17	.13	1 ,, 1	
		,,	,,	,,	12	,,	.18	.14	1 ,, 1	
		,,	,,	,,	12	,,	.19	.15	2 ,, 1	
		,,	,,	,,	14	,,	.20	.16	2 ,, 1	
		,,	,,	,,	15	,,	.21	.17	2 ,, 1	
		,,	,,	,,	16	,,	.22	.18	1 ,, 1	8.22
		,,	,,	,,	13	,,	.23	.15	2 ,, 1	
		,,	,,	,,	16	,,	.24	.18	1 ,, 1	
		,,	,,	,,	14	,,	.25	.16	2 ,, 3	
		,,	,,	,,	13	,,	.26	.15	1 ,, 1	
		,,	,,	,,	10	,,	.27	.11	1 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NE b E	0.1	cto	
		,,	,,	,,	
		,,	,,	,,	
29.620	78.2	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with Ci; drizzling rain falling.
		,,	0·2	,,	
		,,	,,	,,	
		,,	,,	,,	
		SE	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		SE	0.2	cto	
		,,	,,	,,	
		SE	0.1	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.616	78.3	E b S	,,	,,	Overcast with Ci, moving E; raining lightly.
29.607	78.6	WSW	0·1	cto	
		WNW	,,	,,	
		WSW	,,	,,	
		WNW	,,	,,	
29.595	79.1	W	,,	,,	
29.572	78.9	WNW	0.3	cto	
		W	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		NNW	,,	,,	
		WNW	,,	,,	
		NNW	,,	,,	
		WNW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		W	0·1	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining heavily
		,,	,,	,,	
		,,	,,	,,	
		NW b W	0.2	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volts (1).	Volts (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
8th July.	From 8h 2m to 8h 59m P. M.	Neg.	Out of Scale.	Out of Scale.	0	Inst.	8.27			
		,,	,,	,,	8	,,	.28	0.10	2 in 3	
		,,	,,	,,	13	,,	.29	.15	1 ,, 2	
		,,	,,	,,	12	,,	.30	.14	1 ,, 1	
		,,	,,	,,	11	,,	.31	.13	1 ,, 1	
		,,	,,	,,	13	,,	.32	.14	1 ,, 1	
		,,	,,	,,	13	,,	.33	.15	2 ,, 3	
		,,	,,	,,	10	,,	.34	.12	1 ,, 1	
		,,	,,	,,	11	,,	.35	.13	1 ,, 1	
		,,	,,	,,	11	,,	.36	.13	1 ,, 1	
		,,	,,	,,	11	,,	.37	.13	1 ,, 1	
		,,	,,	,,	12	,,	.38	.14	1 ,, 1	
		,,	,,	,,	12	,,	.40	.14	1 ,, 1	
		,,	,,	,,	10	,,	.41	.12	2 ,, 3	
		,,	,,	,,	9	,,	.42	.10	2 ,, 1	
		,,	,,	,,	8	,,	.43	.10	2 ,, 3	
		,,	,,	,,	13	,,	.44	.15	2 ,, 1	
		,,	,,	,,	8	,,	.45	.10	1 ,, 1	
		,,	,,	,,	9	,,	.46	.10	1 ,, 1	
		,,	,,	,,	9	,,	.47	.11	1 ,, 1	
		,,	,,	,,	7	,,	.48	.08	A spark.	
		,,	,,	,,	3	,,	.49	.04	1 in 3	
		,,	,,	,,	4	,,	.50	.06	1 ,, 1	
		,,	,,	,,	4	,,	.51	.06	1 ,, 2	
		,,	,,	,,	2	,,	.52	.04	1 ,, 1	
		,,	,,	,,	4	,,	.53	.05	1 ,, 2	
		,,	,,	,,	3	,,	.56	.04	A spark.	
		,,	,,	,,	2	,,	.57	.03	A spark.	
		,,	,,	100		0.09	.58			
		,,	,,	25		.16	.59			
13th July.	From 0h 6m to 0h 31m A. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	0.06	0.08	3 in 1	
		,,	,,	,,	7	,,	.11	.09	3 ,, 1	
		,,	,,	,,	9	,,	.21	.11	3 ,, 1	0.21
		,,	,,	,,	8	,,	.23	.10	2 ,, 1	
		,,	,,	,,	9	,,	.29	.09	3 ,, 2	
		,,	,,	,,	8	,,	.30	.09	3 ,, 2	
		,,	,,	,,	8	,,	.31	.09	3 ,, 2	
		,,	,,	,,	6	,,	11.58	.08	1 ,, 1	
	From 11h 58m A. M. to 0h 8m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	11.59	0.13	1 in 2	11.59
		,,	,,	,,	7	,,	12.00	.09	1 ,, 1	
		,,	,,	,,	5	,,	.01	.07	1 ,, 1	
		,,	,,	,,	5	,,	.02	.07	1 ,, 2	
		,,	,,	,,	4	,,	.03	.05	1 ,, 2	
		,,	,,	,,	4	,,	.05	.05	A spark.	
		,,	,,	,,	2	,,	.07	.03	A spark.	
		,,	,,	100		0.05	.08			
	From 0h 9m to 0h 15m P. M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	12.09	0.03	A spark.	
		,,	,,	,,	3	,,	.10	.05	1 in 3	
		,,	,,	,,	4	,,	.11	.05	1 ,, 2	0.11
		,,	,,	,,	4	,,	.12	.05	1 ,, 2	
		,,	,,	,,	3	,,	.13	.04	A spark.	
		,,	,,	75		0.08	.14			
		,,	,,	60		.09	.15			
	From 0h 25m to 0h 34m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	12.25	0.06	1 in 1	
		,,	,,	,,	4	,,	.26	.06	3 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		NW b W	0.2	cirro	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NW	0.1	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.579	78.8	,,	,,	,,	
29.596	76.5	WSW	0.4	cirro	
		,,	,,	,,	
		W	,,	,,	
		,,	,,	,,	Densely clouded with Cu; raining; the force of wind half an hour before the observation was 3.5 lb.
		,,	,,	,,	
		,,	,,	,,	
29.594	77.3	W b N	,,	,,	
		,,	,,	,,	
		W b N	0.2	cirro	
29.610	79.7	WSW	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining copiously.
		WSW	0.2	cirro	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		WNW	0.2	cirro	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
13th July.	From 0h 25m to 0h 34m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	12.27	0.07	1 in 1	
		,,	,,	,,	6	,,	.28	.08	2 ,, 1	0.28
		,,	,,	,,	6	,,	.29	.08	1 ,, 2	
		,,	,,	,,	4	,,	.30	.05	1 ,, 1	
		,,	,,	,,	5	,,	.31	.07	1 ,, 1	
		,,	,,	,,	5	,,	.32	.07	2 ,, 1	
		,,	,,	,,	5	,,	.33	.07	1 ,, 1	
		,,	10	10	0	0.30	.34			
	From 0h 35m to 0h 40m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	12.35	0.08	3 in 1	
		,,	,,	,,	10	,,	.36	.12	3 ,, 1	0.36
		,,	,,	,,	9	,,	.37	.10	2 ,, 1	
		,,	,,	,,	6	,,	.38	.08	1 ,, 1	
		,,	,,	,,	6	,,	.39	.07	1 ,, 1	
		,,	8	8	0	Uncertain.	.40			
	From 0h 45m to 0h 48m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	12.45	0.06	1 in 1	0.45
		,,	,,	,,	4	,,	.46	.05	1 ,, 2	
		,,	,,	,,	4	,,	.47	.05	1 ,, 1	
		,,	0	0	0	Nothing.	.48			
	From 1h 4m to 1h 12m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	1.04	0.09	1 in 1	1.04
		,,	,,	,,	6	,,	.05	.08	2 ,, 1	
		,,	,,	,,	6	,,	.06	.08	1 ,, 1	
		,,	,,	,,	6	,,	.07	.08	2 ,, 3	
		,,	,,	,,	6	,,	.09	.08	2 ,, 3	
		,,	,,	,,	4	,,	.11	.05	1 ,, 2	
		,,	0	0	0	Nothing.	.12			
	From 2h 3m to 2h 16m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	2.03	0.06	2 in 1	
		,,	,,	,,	6	,,	.04	.07	1 ,, 1	
		,,	,,	,,	6	,,	.05	.07	1 ,, 1	2.05
		,,	,,	,,	4	,,	.06	.05	1 ,, 1	
		,,	,,	,,	4	,,	.07	.05	1 ,, 1	
		,,	,,	,,	4	,,	.08	.05	2 ,, 3	
		,,	,,	,,	4	,,	.10	.05	2 ,, 3	
		,,	,,	,,	5	,,	.11	.07	1 ,, 1	
		,,	,,	,,	5	,,	.12	.07	1 ,, 1	
		,,	0	0	0	Nothing.	.14	.04	A spark.	
		,,	10	10	0	0.04	.16			
	From 2h 17m to 2h 20m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	2.17	0.08	2 in 1	2.17
		,,	,,	,,	3	,,	.18	.05	A spark.	
		,,	,,	,,	2	,,	.19	.04	A spark.	
		,,	75	75		0.08	.20			
	From 2h 23m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	2.23	0.10	3 in 1	
		,,	,,	,,	10	,,	.24	.13	3 ,, 1	2.24
		,,	,,	,,	9	,,	.25	.10	2 ,, 1	
		,,	,,	,,	7	,,	.26	.09	3 ,, 1	
		,,	,,	,,	6	,,	.27	.08	1 ,, 1	
		,,	,,	,,	6	,,	.28	.08	3 ,, 1	
		,,	,,	,,	6	,,	.29	.08	3 ,, 1	
		,,	,,	,,	6	,,	.30	.08	3 ,, 1	
		,,	,,	,,	6	,,	.33	.08	3 ,, 1	
		,,	,,	,,	5	,,	.36	.07	3 ,, 1	
		,,	,,	,,	6	,,	.38	.07	1 ,, 1	
		,,	,,	,,	6	,,	.40	.07	2 ,, 1	
		,,	,,	,,	4	,,	.42	.06	1 ,, 1	
		,,	,,	,,	2	,,	.43	.03	A spark.	
		,,	,,	30	0	0.07	.44			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		WNW	0.2	8/8	
		,,	,,	,,	
		NW	,,	,,	
		WNW	,,	,,	Overcast; raining copiously.
		,,	,,	,,	
		,,	,,	,,	
		W	,,	,,	
		,,	,,	,,	
		W	0.4	8/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with ∿; moving E; raining heavily.
		W	0.4	8/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.602	79.2	WSW	0.4	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.599	76.8	SSW	0.4	8/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining copiously.
		,,	,,	,,	
		,,	,,	,,	
		SW b W	,,	,,	
		SW	,,	,,	
		,,	,,	,,	
		W b W	,,	,,	
		W·b W	0.4	8/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		W	0.3	8/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining heavily
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		W b S	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.595	77.0	,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sce.	H. M.
14th July.	From 9h 6m to 9h 10m A. M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	9.06	0.05	3 in 2	9.06
		,,	,,	,,	3	,,	.07	.05	1 ,, 1	
		,,	,,	,,	3	,,	.08	.05	1 ,, 4	
		,,	,,	,,	2	,,	.09	.03	1 ,, 5	
		,,	,,	55	0	0.10	.10			
15th July.	From 1m 45m to 2h A. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	1.45	0.05	1 in 1	
		,,	,,	,,	5	,,	.46	.06	1 ,, 1	
		,,	,,	,,	5	,,	.47	.06	1 ,, 1	
		,,	,,	,,	6	,,	.48	.07	1 ,, 1	
		,,	,,	,,	7	,,	.49	.09	2 ,, 1	
		,,	,,	,,	8	,,	.50	.10	2 ,, 1	
		,,	,,	,,	8	,,	.51	.10	2 ,, 1	
		,,	,,	,,	10	,,	.52	.12	2 ,, 1	
		,,	,,	,,	12	,,	.53	.14	2 ,, 1	1.53
		,,	,,	,,	11	,,	.54	.13	2 ,, 1	
		,,	,,	,,	11	,,	.55	.13	2 ,, 1	
		,,	,,	,,	8	,,	.56	.10	2 ,, 1	
		,,	,,	,,	6	,,	.59	.08	1 ,, 1	
		,,	,,	,,	4	,,	2.00	.05	1 ,, 1	
16th July.	From 2h 7m to 2h 10m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	2.07	0.05	1 in 3	
		,,	,,	30		0.08	.09			2.09
		,,	,,	70		.07	.10		A spark.	
	From 3h 13m to 3h 29m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	3.13	0.05	1 in 1	
		,,	,,	,,	5	,,	.26	.06	1 ,, 1	3.26
		,,	,,	,,	4	,,	.28	.05	1 ,, 1	
		,,	,,	,,		Nothing.	.29			
	From 4h 5m to 4h 10m P. M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	4.05	0.07	3 in 1	4.05
		,,	,,	,,	4	,,	.06	.06	2 ,, 1	
		,,	,,	,,	3	,,	.07	.05	A spark.	
		,,	,,	,,	2	,,	.09	.04		
		,,	,,	30		0.05	.10			
11th Sept.	Only two Observations at 2h. 31m. P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	2.31	0.10	1 in 1	2.31
		,,	,,	,,	5	,,	.32	.07	1 ,, 1	
10th Oct.	From 7h 2m to 7h 52m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	7.02	0.07	1 in 3	
		,,	,,	,,	9	,,	.09	.08	1 ,, 3	
		,,	,,	75		0.03	.12	.02		
		,,	,,	Out of Scale.	10	Inst.	.15	.08	1 in 2	
		,,	,,	,,	12	,,	.16	.08	1 ,, 1	
		,,	,,	,,	12	,,	.19	.09	1 ,, 1	
		,,	,,	,,	14	,,	.20	.10	1 ,, 1	
		,,	,,	,,	10	,,	.23	.06	1 ,, 2	
		,,	,,	,,	12	,,	.25	.08	1 ,, 1	
		,,	,,	,,	20	,,	.26	.15	1 ,, 1	7.26
		,,	,,	,,	12	,,	.27	.07	1 ,, 2	
		,,	,,	,,	10	,,	.31	.06	1 ,, 3	
		,,	,,	,,	12	,,	.32	.07	1 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29·648	79.6	WNW	0.1	cto	Overcast with Cu; raining lightly.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29·598	78 4	WSW	1·5	cto	Overcast with Cu; raining lightly.
		W	"	"	
		WNW	"	"	
		"	"	"	
		"	2.0	"	
		"	"	"	
		W b N	"	"	
		"	1.0	"	
		"	"	"	
		"	0.4	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.590	77.4	"	"	"	
29.669	81.4	WNW	0·4	cto	Overcast with Cu, moving E.
		"	"	"	
		"	"	"	
29.662	77.4	WNW	0.6	cto	Overcast with Cu; raining.
		NW b W	"	"	
		WNW	"	"	
		"	"	"	
29.644	76.8	W	0.3	cto	Overcast with Cu; no rain.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		WNW	0·2	cto	Overcast with Cu; raining very heavily.
		"	"	"	
29.807	80.0	W b S	0·5	cto	Overcast with Cu; lightning around hor. and about zth.
		"	"	"	
		"	"	"	Scattered drops of rain falling.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Lightning from N to S hor.; raining.
		"	"	"	
		"	"	"	
		"	"	"	Lightning from N to S hor. and in zth., accompanied with thunder; raining.
		"	"	"	
		"	"	"	
		"	"	"	Overcast; lightning in N, NE, and E hor. accompanied with thunder; raining.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. s.	H. M. P. M.	In.	Sp. Sec.	H. M.
10th Oct.	From 7h 2m to 7h 52m P. M.	Neg.	Out of Scale.	Out of Scale.	16	Inst.	7.49	0.09	2 in 1	
		,,	,,	,,	10	,,	.50	.07	1 ,, 2	
		,,	,,	,,	16	,,	.52	.09	1 ,, 1	
11th Oct.	From 3h to 4h 35m P. M.	Neg.	Out of Scale.	100		Inst.	3.00	0.01	1 in 3	
		,,	,,	100		,,	.05	.02	1 ,, 3	
		,,	,,	100		,,	.10	.02	1 ,, 3	
		,,	,,	Out of Scale.	4	,,	.16	.03	1 ,, 3	
		,,	,,	,,	4	,,	.20	.04	1 ,, 3	
		,,	,,	,,	4	,,	.25	.04	1 ,, 7	
		,,	,,	,,	1	,,	.30	.02	A spark.	
		,,	,,	60		0.11	.35			
		,,	,,	Out of Scale.	4	Inst.	.42	.04	2 in 1	
		,,	,,	,,	3	,,	.45	.03	1 ,, 2	
		,,	,,	,,	3	,,	.48	.03	1 ,, 2	
		,,	,,	,,	5	,,	.51	.04	1 ,, 3	
		,,	,,	,,	5	,,	.54	.05	1 ,, 2	
		,,	,,	,,	5	,,	.57	.05	1 ,, 3	
		,,	,,	,,	5	,,	4.04	.05	1 ,, 2	
		,,	,,	,,	7	,,	.15	.07	1 ,, 2	
		,,	,,	,,	8	,,	.20	.07	1 ,, 2	4.20
		,,	,,	,,	7	,,	.22	.06	1 ,, 3	
		,,	,,	,,	5	,,	.23	.06	1 ,, 2	
		,,	,,	,,	5	,,	.24	.06	1 ,, 2	
		,,	,,	,,	2	,,	.26	.02	3 ,, 1	
		,,	,,	,,	3	,,	.30	.02	3 ,, 1	
		,,	1			Above 5m.	.35			
	A single instance.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	9.19	0.03	1 in 4	
				35		Above 4m.	.24			
13th Oct.	From 7h 57m to 9h 10m P. M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	7.57	0.10	4 in 1	
		,,	,,	,,	12	,,	8.00	.10	4 ,, 1	
		,,	,,	,,	10	,,	.01	.13	2 ,, 1	
		,,	,,	,,	13	,,	.02	.12	2 ,, 1	
		,,	,,	,,	15	,,	.04	.14	2 ,, 1	
		,,	,,	,,	12	,,	.05	.11	3 ,, 1	
		,,	,,	,,	15	,,	.06	.15	2 ,, 1	
		,,	,,	,,	13	,,	.08	.13	3 ,, 1	
		,,	,,	,,	14	,,	.09	.14	2 ,, 3	
		,,	,,	,,	14	,,	.10	.13	1 ,, 1	
		,,	,,	,,	15	,,	.12	.15	2 ,, 1	
		,,	,,	,,	14	,,	.13	.14	2 ,, 1	
		,,	,,	,,	12	,,	.14	.14	3 ,, 1	
		,,	,,	,,	16	,,	.15	.15	3 ,, 1	8.15
		,,	,,	,,	14	,,	.17	.14	1 ,, 3	
		,,	,,	,,	12	,,	.19	.11	2 ,, 1	
		,,	,,	,,	13	,,	.20	.13	2 ,, 1	
		,,	,,	,,	13	,,	.23	.14	2 ,, 1	
		,,	,,	,,	13	,,	.25	.14	2 ,, 1	
		,,	,,	,,	13	,,	.26	.13	2 ,, 1	
		,,	,,	,,	10	,,	.28	.11	3 ,, 1	
		,,	,,	,,	15	,,	.30	.17	3 ,, 1	
		,,	,,	,,	14	,,	.31	.16	3 ,, 1	
		,,	,,	,,	14	,,	.33	.15	3 ,, 1	
		,,	,,	,,	14	,,	.34	.15	1 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
29.820	79.6	ENE	0.5	cum	Overcast; lightning in N, NE, and E hor., accompanied with thunder; raining.
		,,	,,	,,	
		,,	,,	,,	
29.716	84.9	WNW	0·1	cum	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	∿ around hor.; ∿ scattered throughout; lightning and thunder in E; ∿ cloud fastly inosculating into ∿, which were moving W.
		,,	,,	,,	
		,,	,,	,,	
		WSW	,,	,,	
		SW b W	,,	cum-s	
		,,	,,	,,	Clouded with ∿ and ∿, former moving W; scattered drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining very lightly.
		,,	,,	,,	
29.716	82.8	W	,,	,,	
		W b N	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Densely clouded; no rain.
		,,	,,	,,	
29.724	82.5	SE	,,	,,	
29.805	79.7	SE	0·1	cum	
		,,	,,	,,	
29.751	82.4	N b W	2.8	cum	
		N	,,	,,	
		,,	1.0	,,	Overcast with ∿ and ∿, former moving W; lightning and thunder.
		,,	2.0	,,	
		,,	,,	,,	
		N b E	,,	,,	
		NNE	,,	,,	Overcast; thunder and lightning about 2th.
		NE	,,	,,	
		E	,,	,,	
		ESE	1.0	,,	
		,,	,,	,,	Overcast; thunder and lightning in E.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0.5	,,	
		,,	,,	,,	
		SE b E	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; scattered drops of rain falling; lightning and thunder in E.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark,	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
13TH OCT.	From 7h 57m to 9h 10m P. M.	Neg.	Out of Scale.	Out of Scale.	13	Inst.	8.36	0.17	1 in 1	
		,,	,,	,,	13	,,	.38	.15	1 ,, 2	
		,,	,,	,,	14	,,	.41	.16	2 ,, 1	
		,,	,,	,,	14	,,	.44	.16	3 ,, 1	
		,,	,,	,,	14	,,	.46	.12	2 ,, 1	
		,,	,,	,,	15	,,	.48	.12	2 ,, 1	
		,,	,,	,,	13	,,	.50	.11	2 ,, 1	
		,,	,,	,,	12	,,	.51	.12	2 ,, 3	
		,,	,,	,,	11	,,	.53	.09	2 ,, 1	
		,,	,,	,,	11	,,	.54	.07	2 ,, 1	
		,,	,,	,,	10	,,	.56	.12	2 ,, 1	
		,,	,,	,,	10	,,	.58	.11	2 ,, 1	
		,,	,,	,,	10	,,	9.00	.04	3 ,, 1	
		,,	,,	,,	5	,,	.03	.04	1 ,, 4	
		,,	,,	50		0.13	.05			
		,,	3	0		.10	.10			
	From 9h 11m to 9h 29m P. M.	Neg.	Out of Scale.	Out of Scale.	9	Inst.	9.11	0.10	2 in 1	
		,,	,,	,,	13	,,	.13	.14	2 ,, 1	
		,,	,,	,,	6	,,	.14	.08	1 ,, 6	
		,,	,,	,,	16 to 20	,,	.15	.15	1 ,, 2	9.15
		,,	,,	,,	12	,,	.16	.13	1 ,, 2	
		,,	,,	,,	3	,,	.19	.05	2 ,, 3	
		,,	,,	,,	9	,,	.23	.08	1 ,, 4	
		,,	,,	20		0.47	.24			
	From 9h 25m to 10h 25m P. M.	Neg.	Out of Scale.	60		0.09	9.25			
		,,	,,	Out of Scale.	2	Inst.	.30	0.04	1 in 2	
		,,	,,	,,	3	,,	.31	.03	1 ,, 2	
		,,	,,	,,	7	,,	.35	.04	2 ,, 1	
		,,	,,	,,	8	,,	.36	.04	2 ,, 1	
		,,	,,	,,	5	,,	.37	.04	2 ,, 1	
		,,	,,	,,	7	,,	.38	.06	2 ,, 1	
		,,	,,	,,	5	,,	.40	.04	1 ,, 2	
		,,	,,	,,	6	,,	.46	.03	2 ,, 1	
		,,	,,	,,	6	,,	.47	.06	2 ,, 1	
		,,	,,	,,	6	,,	.48	.06	2 ,, 1	
		,,	,,	,,	8	,,	.50	.06	3 ,, 1	
		,,	,,	,,	6	,,	.51	.06	3 ,, 1	
		,,	,,	,,	8	,,	.53	.08	3 ,, 1	
		,,	,,	,,	6	,,	.55	.08	2 ,, 1	
		,,	,,	,,	7	,,	.56	.06	3 ,, 1	
		,,	,,	,,	6	,,	.58	.06	3 ,, 1	
		,,	,,	,,	4	,,	.59	.06	3 ,, 1	
		,,	,,	,,	6	,,	10.00	.06	3 ,, 1	
		,,	,,	,,	6	,,	.02	.06	3 ,, 1	
		,,	,,	,,	5	,,	.04	.06	1 ,, 1	
		,,	,,	,,	5	,,	.05	.06	1 ,, 1	
		,,	,,	,,	6	,,	.06	.06	1 ,, 1	
		,,	,,	,,	7	,,	.07	.06	3 ,, 1	
		,,	,,	,,	5	,,	.10	.06	4 ,, 1	
		,,	,,	,,	6	,,	.15	.06	2 ,, 1	
		,,	,,	,,	8	,,	.20	.07	1 ,, 3	
		,,	12	10		0.27	.25			
	Two instances.....	Neg.	Out of Scale.	Out of Scale.	7	Inst.	10.28	0.08	1 in 1	
		,,	11	10		0.15	.29			
	From 10h 30m to 11h 17m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	10.30	0.06	1 in 3	
		,,	,,	,,	5	,,	.31	.06	2 ,, 1	

Uncertain.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
in.	°		lbs.		
		SE b E	0.5	o/o	
		"	"	"	
		"	"	"	Overcast; raining *very lightly*; lightning and thunder.
		"	"	"	
		"	"	"	
		"	"	"	
		SE b E	0.4	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.762	72.9	"	"	"	
		"	0.3	"	
		S	"	"	
		"	"	"	Overcast; thunder and lightning in SE; raining very lightly.
		S	0.3	o/o	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		S	0.3	o/o	
		SE b S	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; continuous lightning in WSW and E; thunder heard at long intervals; raining lightly.
		"	"	"	
		"	"	"	
		SSE	0.2	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.759	79.2	"	"	"	Overcast; lightning in WSW and E; thunder occasionally heard in E.
		"	"	"	
		S b E	"	"	
		"	"	"	
		"	"	"	
		S	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; lightning and thunder continually heard and seen.
		S	0.2	o/o	
		"	"	"	
		S	0.2	o/o	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
13TH Oct.	From 10h 30m to 11h 17m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst	10.32	0.07	2 in 1	
		,,	,,	,,	9	,,	.36			
		,,	,,	,,	6	,,	.39	0.06	2 in 1	
		,,	,,	,,	8	,,	.40	.07	1 ,, 1	
		,,	,,	,,	7	,,	.42	.07	2 ,, 1	
		,,	,,	,,	9	,,	.45	.09	4 ,, 1	
		,,	,,	,,	10	,,	.48	.11	1 ,, 1	10.48
		,,	,,	,,	8	,,	.50	.10	1 ,, 2	
		,,	,,	,,	8	,,	.53	.09	2 ,, 1	
		,,	,,	,,	4	,,	.55	.04	1 ,, 2	
		,,	,,	,,	5	,,	.57	.04	3 ,, 5	
		,,	,,	,,	5	,,	.59	.05	4 ,, 1	
		,,	,,	,,	8	,,	11.00	.06	5 ,, 1	
		,,	,,	,,	7	,,	.05	.06	3 ,, 1	
		,,	,,	,,	7	,,	.10	.06	4 ,, 1	
		,,	,,	,,	5	,,	.11	.06	2 ,, 2	
		,,	,,	,,	3	,,	.14	.03	1 ,, 2	
		,,	,,	,,	2	,,	.15	.03	1 ,, 4	
		,,	25	23		3.10	.17			
14TH Oct.	From 1h 27m to 1h 50m A. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	1.27	0.06	1 in 3	
		,,	,,	,,	7	,,	.30	.08	1 ,, 2	
		,,	,,	,,	7	,,	.32	.09	1 ,, 2	
		,,	,,	,,	8	,,	.35	.10	1 ,, 1	1.35
		,,	,,	,,	8	,,	.37	.09	1 ,, 3	
		,,	,,	,,	7	,,	.41	.09	1 ,, 4	
		,,	,,	,,	7	,,	.43	.07	1 ,, 5	
		,,	,,	,,	7	,,	.45	.07	1 ,, 6	
		,,	,,	100		,,	.50	.01	2 ,, 1	
	From 1h 52m to 3h 13m A. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	.52	0.10	1 in 1	
		,,	,,	,,	10	,,	.53	.12	1 ,, 1	
		,,	,,	,,	11	,,	.56	.13	1 ,, 1	
		,,	,,	,,	13	,,	.57	.13	1 ,, 2	
		,,	,,	,,	15	,,	.59	.18	1 ,, 1	
		,,	,,	,,	16	,,	2.00	.19	1 ,, 1	2.00
		,,	,,	,,	13	,,	.01	.13	1 ,, 3	
		,,	,,	,,	13	,,	.12	.14	1 ,, 4	
		,,	,,	,,	15	,,	.23	.16	1 ,, 3	
		,,	,,	,,	16	,,	.24	.17	1 ,, 2	
		,,	,,	,,	16	,,	.25	.17	1 ,, 3	
		,,	,,	,,	16	,,	.27	.17	1 ,, 3	
		,,	,,	,,	14 to 17	,,	.31	.16	2 ,, 1	
		,,	,,	,,	16 to 20	,,	.33	.16	1 ,, 1	
		,,	,,	,,	14 to 16	,,	.35	.15	2 ,, 1	
		,,	,,	,,	14 to 18	,,	.36	.16	2 ,, 1	
		,,	,,	,,	15 to 17	,,	.37	.15	1 ,, 1	
		,,	,,	,,	15 to 18	,,	.43	.16	1 ,, 1	
		,,	,,	,,	14	,,	.45	.14	1 ,, 2	
		,,	,,	,,	13 to 15	,,	.50	.14	3 ,, 2	
		,,	,,	,,	12	,,	.55	.13	3 ,, 2	
		,,	,,	,,	10	,,	3.00	.10	1 ,, 1	
		,,	,,	,,	7	,,	.05	.08	1 ,, 3	
		,,	,,	,,	3	,,	.10	.03	1 ,, 8	
		,,	15	15		0.09	.13			
18TH Oct.	From 3h 47m to 4h 6m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	3.47	0.03	1 in 1	
		,,	,,	,,	4	,,	.48	.04	1 ,, 2	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy sky.	Remarks.
In.	°		lbs.		
		S	0.2	8/8	Overcast; lightning and thunder continually heard and seen.
		,,	0.8	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	0.3	,,	
		,,	,,	,,	Overcast; lightning in E; scattered drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.752	78.6	,,	0.5	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; lightning and thunder at intervals; raining lightly.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.739	77.3	S b E	0.2	8/8	
		,,	,,	,,	
		,,	,,	,,	Overcast with ∿ı; lightning and thunder; raining.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		S b E	0.2	8/8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; lightning in W; thunder in SE; raining lightly.
		,,	,,	,,	
29.740	77.2	S	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast; raining; lightning.
		,,	,,	,,	
		,,	0.1	,,	
29.744	77.2	,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
29.774	8.65	W	0.2	4/8	∿ı in E; masses of ∿ı scattered about, moving W; continuous thunder in E.
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Date.	Bombay Mean Solar Time, or Limits of Time, 1858.	Sign of Electricity by Gold L. El.	Readings of Electrometer. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Sc. Div.	Sc. Div.	°	M. S.	H. M. P. M.	In.	Sp. Sec.	H. M.
18th Oct.	From 3h 47m to 4h 6m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	3.51	0.04	1 in 2	
		,,	,,	,,	5	,,	.55	.05	1 ,, 2	
		,,	,,	,,	6	,,	.57	.05	2 ,, 3	
		,,	,,	,,	7	,,	.58	.06	1 ,, 2	
		,,	,,	,,	8	,,	4.00	.07	1 ,, 2	4.00
		,,	,,	,,	7	,,	.02	.06	1 ,, 2	
		,,	,,	,,	7	,,	.04	.06	1 ,, 2	
		,,	,,	50		0.07	.06			
	From 5h 5m to 5h 16m P. M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	5.05	0.06	1 in 1	
		,,	,,	50		0 08	.06			
		,,	,,	Out of Scale.	6	Inst.	.07	.06	1 in 1	
		,,	,,	,,	5	,,	.08	.05	1 ,, 1	
		,,	,,	,,	5	,,	.09	.05	1 ,, 1	
		,,	10	10		0.04	.10			
		,,	Out of Scale.	,,	6	Inst.	.13	.05	1 in 1	
		,,	,,	,,	8	,,	.15	.07	1 ,, 1	5.15
	From 5m 18m to 5h 23m P. M.	Neg.	10	10		0.02	5.16			
		,,	Out of Scale	Out of Scale.	8	Inst.	.18	0.07	1 in 1	5.18
		,,	,,	,,	7	,,	.19	.06	A spark.	
		,,	,,	,,	5	,,	.20	.05	1 in 1	
		,,	0	0	0	0	.21			
	From 5h 29m to 5h 43m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	5.29	0.05		5.29
		,,	,,	,,	5	,,	.38	.05		
		,,	,,	,,	4	,,	.43	.04		
	From 7h 24m to 8h 2m P. M.	Neg.	Out of Scale.	Out of Scale.	6	Inst.	7.24	0.05	1 in 1	
		,,	,,	,,	7	,,	.26	.07	2 ,, 3	
		,,	,,	,,	7	,,	.27	.07	1 ,, 1	
		,,	,,	,,	10	,,	.29	.08	2 ,, 1	
		,,	,,	,,	10	,,	.30	.09	2 ,, 1	
		,,	,,	,,	10	,,	.31	.08	3 ,, 1	
		,,	,,	,,	12	,,	.33	.09	2 ,, 1	7.33
		,,	,,	,,	10	,,	.35	.09	2 ,, 1	
		,,	,,	,,	11	,,	.36	.09	3 ,, 2	
		,,	,,	,,	10	,,	.37	.08	2 ,, 1	
		,,	,,	,,	10	,,	.39	.08	2 ,, 1	
		,,	,,	,,	8	,,	.41	.07	2 ,, 3	
		,,	,,	,,	8	,,	.42	.07	3 ,, 2	
		,,	,,	,,	8	,,	.43	.07	1 ,, 1	
		,,	,,	,,	6	,,	.46	.06	1 ,, 1	
		,,	,,	,,	8	,,	.47	.07	2 ,, 1	
		,,	,,	,,	10	,,	.51	.10	3 ,, 1	
		,,	,,	,,	10	,,	.52	.10	3 ,, 1	
		,,	,,	,,	12	,,	.55	.10	2 ,, 1	7.55
		,,	,,	,,	10	,,	.56	.09	3 ,, 2	
		,,	,,	,,	8	,,	.58	.07	1 ,, 1	
		,,	,,	55		0.13	.59			
		,,	,,	Out of Scale.	5	Inst.	8.00	.04	1 in 1	
		,,	,,	40		0.18	.02			
	From 8h 33m to 8h 36m P. M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	8.33	0.04	1 in 1	8.33
		,,	,,	,,	4	,,	.34	.03	1 ,, 1	
		,,	,,	,,	2	,,	.35	.02	A spark.	
		,,	,,	·75		0.20	.36			
	From 9h 4m to 9h 32m P. M.	Neg.	Out of Scale.	Out of Scale.	8	Inst.	9.04	0.07	2 in 1	
		,,	,,	,,	8	,,	·05	.07	2 ,, 1	
		,,	,,	,,	9	,,	.13	.12	2 ,, 1	9.13
		,,	,,	,,	6	,,	.22	.04	1 ,, 1	
		,,	,,	,,	6	,,	.24	.05	2 ,, 3	
		,,	,,	,,	7	,,	.25	.06	1 ,, 1	
		,,	,,	,,	6	,,	.29	.05	2 ,, 3	
		,,	,,	54		0.17	.32			

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1858.

Barometer corrected to 32° Fahr.	Air Thermometer.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
In.	°		lbs.		
		W	0.2	7	
		"	"	"	
		"	"	"	
		"	"	"	∿ in E; masses of ∿ scattered about, moving W; continuous thunder in E.
		"	"	"	
29.777	86.7	"	"	"	
		"	"	"	
		"	"	8	
		"	"	"	Nearly overcast; a break in E; thunder in NE.
29.795	82.6	W	0.1	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Nearly overcast with ∿, moving SE; thunder in N; scattered drops of rain falling.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		WNW	0.1	8	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; louds peals of thunder in NW of zth.
		"	"	"	
		NW	0.1	8	
		"	"	"	
		"	"	"	
29.830	88.7	NW	0.1	8	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with ∿, moving W; sheet lightning and thunder in S.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; lightning followed by thunder in about 20s.
		"	"	"	
		"	"	"	
		SE	0.3	"	
		"	"	"	Overcast; lightning, thunder, and rain.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Electrometer was only affected at the flash of lightning.
29.865	79.2	ESE	1.0	"	
		"	"	"	
		ESE	0.5	8	
		"	"	"	
		"	"	"	
		"	"	"	
29.869	77.2	SW	0.3	8	
		"	"	"	Overcast with ∿; lightning in SW, every 20s., thunder in SW; raining lightly.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.871	77.2	"	"	"	

BOMBAY MAGNETICAL OBSERVATORY.

ABSTRACTS OF THE RESULTS

OF THE

METEOROLOGICAL OBSERVATIONS.

1858.

BOMBAY METEOROLOGICAL OBSERVATIONS.

METEOROLOGICAL RESULTS.

The following Meteorological elements are comprised under this head :—

1. Barometric Pressure.
2. Temperature of the Air and Ground.
3. Hygrometric State of the Air.
4. Direction and Force of Wind.
5. State of the Weather.

Barometric Pressure.—This element was determined by means of two Standard Barometers (Nos. 58 and 48) by Newman, which were on all occasions observed simultaneously throughout the year. The difference between the Scale Readings of both Barometers is 0·013in., which remains nearly constant, consequently the observations of Barometer No. 48 are not printed, nor any results found from them, except the mean monthly values of the same in Table I. of Meteorological Introduction, which will show, at a glance, the movements of them both. Barometer No. 48 serves only as a check on the observations of Barometer No. 58, whose results are fairly drawn out.

Temperature of the Air and Ground.—This element was determined by means of six Thermometers, which were placed in situations differing from one another, in order that all the changes which the Temperature undergoes, arising from different situations, might be accurately determined.

Hygrometric State of the Air.—Under this head are classed the Temperature of Evaporation; Temperature of Dew-Point; Pressure of Moisture; Humidity of Air; Weight of a cubic foot of Air; Weight of Water in a cubic foot of Air; Weight of vapour required for complete Saturation of a cubic foot of Air; and quantity of Water actually evaporated in the Atmosphere. Of all these, the only one actually observed, has been the Temperature of Evaporation (Wet Bulb), and the others were calculated by tables given in the introduction to this Part.

Direction and Force of Wind.—These elements were deduced from the self-registered curves of Osler's Wind Anemometer and Lynd's Wind Gauge.

State of the Weather.—Under this head are set down the prevailing Clouds in different seasons; the portion of the cloudy Sky at particular times; fall of Rain; and all Storms, such as lightning, thunder, and wind.

STANDARD BAROMETER.

TABLE I.—*Mean Height of Standard Barometer No. 58, corrected for the Expansion of Mercury and Brass, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	30·012	30·002		29·851	29·737	29·793	29·722		29·714	29·832		29·958
2	29·977	29·969	29·845			·760	·713	29·713	·787	·814		·931
3		·995	·861	·803	·705	·720	·689	·685	·783		29·943	·947
4	·961	·959	·848		·723	·719		·690	·771	·835	·949	·933
5	·927	·886	·852	·780	·740	·744	·675	·680		·836	·968	
6	·909	·925	·875	·774	·758		·644	·665	·777	·800		·936
7	·924			·724	·689	·714	·614	·675	·801	·764		·955
8	·908	·984	·867	·765	·676	·730	·577		·792	·755	·897	·930
9	·876	·936	·860	·807	·719	·754	·546	·673	·764	·733	·895	·900
10	·889	·944	·852	·819		·756	·595	·638	·757		·917	·931
11		·960	·881	·810	·735	·748		·668	·709	·771	·935	·938
12	·854	·970	·878		·691	·732	·581	·725		·741	·908	
13	·859	·952	·877	·838	·663		·604	·717	·660	·731	·902	·881
14	·872		·871	·822	·631	·685	·633	·759	·692	·778		·883
15	·880	·919		·821	·615	·697	·619		·732	·802	·979	·943
16	·894	·926	·840	·852		·697	·662	·781	·745	·801	·985	·927
17		·935	·860	·844	·625	·686	·682	·770	·780		·979	·951
18	·918	·958	·887		·564	·675		·787	·762	·820	·964	·973
19	·883	·954	·890	·823	·516	·651	·722	·782		·829	·952	
20	·836	·917	·897	·799	·518		·701	·772	·774	·812	·930	·937
21	·887			·833	·527	·670	·697	·719	·776	·839		·965
22	·845	·908	·838	·870	·603	·670	·734		·788	·846	·912	·982
23	·878	·950	·802	·804		·582	·783		·808	·814	·830	·964
24		·924	·829	·727		·563	·727	·804	·835		·824	·955
25	·959	·887	·857		·744	·597		·796	·801	·813	·859	
26	·995		·846	·725	·732	·657	·661	·688		·870	·932	
27	·982	·868	·832	·754	·711		·669	·678	·791	·918	·952	·922
28	·980	·905		·756	·700	·723	·667	·716	·833	·922	·965	·942
29	·973		·795	·780	·732	·719	·698	·759	·882	·928		·981
30	30·010		·818	·762	·789	·712	·733		·876	·970	·944	30·018
31			·835				·743	·664				29·975

TABLE II.—*Showing, for each Month, the Mean Height of Standard Barometer, and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Height of Standard Barometer corrected to 32° Fahr.	Difference from the Mean of the last Twelve Years.	FOR SEASONS.	
	in.	in.		in.
January	29·921	− 0·012	Mean of { Jan. Feb. Mar. / Oct. Nov. Dec. } or Winter ..	29·900
February	·939	·030		
March	·852	− ·003		
April	·798	·005	Mean of { Apr. May, June, / July, Aug. Sept. } or Summer..	29·723
May	·674	− ·066		
June	·698	·051	Mean of the year	29·812
July	·668	·022		
August	·720	·015		
September	·778	·004	Greatest monthly mean, in December	29·944
October	·822	− ·006	Least monthly mean, in July.....	29·668
November	·927	·028		
December	·944	·008	Difference	0·276

TABLE III.—*Mean Height of Standard Barometer No. 58, corrected for Expansion of Mercury and Brass, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29·924	29·947	29·857	29·804	20·678	29·702	29·678	29·725	29·783	29·822	29·920	29·943
1 A.M.	·912	·935	·847	·789	·668	·691	·659	·709	·772	·809	·912	·926
2 „	·899	·919	·855	·774	·656	·679	·644	·694	·759	·799	·901	·916
3 „	·891	·912	·829	·767	·651	·671	·639	·689	·751	·798	·898	·909
4 „	·890	·911	·829	·772	·654	·675	·639	·688	·749	·801	·903	·917
5 „	·900	·915	·841	·791	·655	·680	·647	·693	·764	·811	·917	·932
6 „	·912	·937	·861	·809	·681	·699	·664	·711	·777	·835	·939	·950
7 „	·938	·963	·882	·829	·701	·713	·678	·728	·797	·854	·961	·977
8 „	·971	·985	·903	·852	·717	·726	·692	·743	·817	·871	·983	·999
9 „	·993	30·005	·915	·861	·724	·735	·700	·751	·824	·881	·992	30·013
10 „	·993	·005	·916	·858	·720	·734	·702	·757	·821	·876	·983	·009
11 „	·974	29·988	·901	·848	·711	·725	·700	·753	·813	·857	·962	29·989
Noon.	·943	·962	·876	·823	·695	·718	·691	·743	·792	·832	·933	·958
1 P.M.	·908	·932	·848	·795	·672	·705	·679	·726	·771	·805	·906	·923
2 „	·884	·906	·823	·769	·651	·687	·665	·711	·750	·782	·888	·903
3 „	·872	·891	·803	·750	·633	·680	·651	·696	·737	·768	·879	·894
4 „	·872	·890	·804	·741	·620	·666	·642	·693	·734	·771	·885	·896
5 „	·877	·894	·806	·742	·623	·663	·643	·694	·743	·783	·893	·910
6 „	·887	·903	·817	·759	·636	·673	·652	·706	·757	·794	·907	·923
7 „	·909	·923	·836	·778	·659	·687	·663	·725	·774	·815	·926	·942
8 „	·929	·941	·855	·795	·676	·702	·676	·730	·791	·835	·942	·958
9 „	·939	·956	·877	·810	·691	·711	·689	·741	·801	·843	·944	·966
10 „	·941	·958	·878	·820	·700	·719	·699	·746	·803	·841	·946	·964
11 „	·933	·951	·874	·816	·693	·713	·692	·738	·795	·831	·935	·954

TABLE IV.—*Excess of the Mean Hourly Height of Barometer No. 58, above the Monthly Mean Height, corrected for Expansion of Mercury.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·003	0·008	0·007	0·006	0·004	0·004	0·008	0·005	0·005	0·000	− 0·007	− 0·001
1 A.M.	− ·009	− ·004	− ·005	− ·009	− ·006	− ·007	− ·011	− ·011	− ·006	− ·013	− ·015	− ·018
2 „	− ·022	− ·020	− ·017	− ·024	− ·018	− ·019	− ·026	− ·026	− ·019	− ·023	− ·026	− ·208
3 „	− ·030	− ·027	− ·023	− ·031	− ·023	− ·027	− ·031	− ·031	− ·027	− ·024	− ·029	− ·035
4 „	− ·031	− ·028	− ·023	− ·026	− ·020	− ·023	− ·031	− ·032	− ·029	− ·021	− ·024	− ·027
5 „	− ·021	− ·024	− ·011	− ·007	− ·019	− ·018	− ·023	− ·027	− ·014	− ·011	− ·010	− ·012
6 „	− ·009	− ·002	·011	·011	·007	·001	− ·006	− ·009	− ·001	·013	·012	·006
7 „	·017	·024	·031	·031	·027	·015	·008	·008	·019	·032	·034	·033
8 „	·050	·046	·051	·054	·043	·028	·022	·023	·039	·049	·056	·055
9 „	·072	·066	·063	·063	·050	·037	·030	·031	·046	·059	·065	·069
10 „	·072	·066	·064	·060	·046	·036	·032	·037	·043	·054	·056	·065
11 „	·053	·049	·049	·050	·037	·027	·030	·033	·035	·035	·035	·045
Noon.	·022	·023	·024	·025	·021	·020	·021	·023	·014	·010	− ·006	·014
1 P.M.	− ·013	− ·007	− ·004	− ·003	− ·002	·007	·007	·006	·007	− ·017	− ·021	− ·021
2 „	− ·037	− ·033	− ·029	− ·029	− ·023	− ·011	− ·005	− ·009	− ·028	− ·040	− ·039	− ·041
3 „	− ·049	− ·048	− ·049	− ·048	− ·041	− ·018	− ·019	− ·024	− ·041	− ·054	− ·048	− ·050
4 „	− ·049	− ·049	− ·048	− ·057	− ·054	− ·032	− ·028	− ·027	− ·044	− ·051	− ·042	− ·048
5 „	− ·044	− ·045	− ·046	− ·056	− ·051	− ·035	− ·027	− ·026	− ·035	− ·040	− ·034	− ·034
6 „	− ·034	− ·036	− ·035	− ·039	− ·038	− ·025	− ·018	− ·014	− ·021	− ·028	− ·020	− ·021
7 „	− ·012	− ·016	− ·016	− ·020	− ·015	− ·011	− ·007	·005	− ·004	− ·007	·001	− ·002
8 „	·008	·002	·003	− ·003	·002	·004	·006	·010	·013	·013	·015	·014
9 „	·018	·017	·019	·012	·017	·013	·019	·021	·023	·021	·017	·022
10 „	·020	·019	·026	·022	·026	·021	·029	·026	·025	·019	·019	·020
11 „	·012	·012	·022	·018	·019	·015	·022	·018	·017	·009	·008	·010

TABLE V.—*Showing, for the Year* 1858, *the Mean Height of Standard Barometer, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Height of Standard Barometer No. 58.	Difference from the Mean of the whole.
	in.	in.
Midnight.	29·815	0·003
1 A. M.	·802	− ·010
2 „	·791	− ·021
3 „	·784	− ·028
4 „	·786	− ·026
5 „	·795	− ·017
6 „	·815	·003
7 „	·835	·023
8 „	·855	·043
9 „	·866	·054
10 „	·864	·052
11 „	·852	·040
Noon.	·830	·018
1 P. M.	·806	− ·006
2 „	·785	− ·027
3 „	·771	− ·041
4 „	·768	− ·044
5 „	·772	− ·040
6 „	·784	− ·028
7 „	·803	− ·009
8 „	·827	·015
9 „	·831	·019
10 „	·835	·023
11 „	·827	·015

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M.} or Night	29·806
Mean of {6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M.} or Day	29·818
Mean....	29·812

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at about 3 A. M.
A maximum at about 9 A. M.
A minimum at about 4 P. M.
A maximum at about 10 P. M.

TABLE VI.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time at which the Mean Height of Standard Barometer, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Height of Standard Barometer No. 58, corrected.				Diurnal Range.	The Time at which the Mean Height of Standard Barometer No. 58, was at its Maximum and Minimum.			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January....	29·890	29·993	29·872	29·941	0·121	4 A. M.	10 A. M.	4 A. M.	10 P. M.
February ..	·911	30·005	·890	·958	·115	4 „	10 „	4 „	10 „
March	·829	29·916	·831	·878	·113	4 „	10 „	3 „	10 „
April.....	·767	·861	·741	·820	·120	3 „	9 „	4 „	10 „
May	·651	·724	·620	·700	·104	3 „	9 „	4 „	10 „
June	·671	·735	·663	·719	·072	3 „	9 „	5 „	10 „
July	·639	·702	·642	·699	·060	3 „	10 „	4 „	10 „
August	·688	·757	·688	·746	·069	4 „	10 „	4 „	10 „
September..	·749	·824	·734	·803	·090	4 „	9 „	4 „	10 „
October....	·798	·881	·768	·843	·113	3 „	9 „	3 „	9 „
November..	·898	·992	·879	·946	·113	3 „	9 „	3 „	10 „
December ..	·909	30·013	·894	·966	·119	3 „	9 „	3 „	9 „

TABLE VII.—*Diurnal Range of Barometer No. 58, corrected for the Expansion of Mercury and Brass, for each Day of Bombay Civil Time.*

Date, 1558.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	0·142	0·139		0·116	0·157	0·093	0·064		0·101	0·139		0·132
2	·128	·118	0·129			·080	·060	0·074	·088	·132		·129
3		·120	·125	·174	·102	·063	·071	·091	·088		0·110	·100
4	·135	·150	·125		·117	·082		·089	·089	·118	·126	·118
5	·121	·113	·127	·115	·134	·085	·075	·074		·140	·123	
6	·120	·132	·118	·122	·111		·075	·082	·082	·141		·112
7	·128			·143	·144	·108	·075	·101	·095	·126		·127
8	·116	·114	·097	·125	·106	·104	·116		·112	·126	·085	·143
9	·126	·115	·125	·124	·116	·081	·103	·078	·118	·132	·101	·111
10	·106	·110	·103	·121		·093	·098	·087	·105		·105	·127
11		·120	·116	·107	·157	·077		·092	·122	·125	·147	·105
12	·149	·125	·163		·131	·073	·083	·079		·135	·125	
13	·122	·136	·136	·154	·107		·103	·073	·097	·098	·104	·142
14	·126		·155	·099	·131	·066	·061	·131	·099	·086		·113
15	·126	·103		·108	·167	·089	·077		·106	·134	·125	·121
16	·102	·109	·131	·130		·077	·106	·075	·090	·065	·140	·116
17		·122	·079	·143	·097	·089	·075	·072	·091		·129	·118
18	·159	·112	·119		·124	·104		·074	·117	·112	·135	·113
19	·135	·130	·149	·119	·082	·097	·064	·063		·111	·116	
20	·150	·152	·129	·101	·108		·061	·096	·099	·117	·108	·130
21	·124			·136	·090	·096	·065	·075	·084	·111		·131
22	·137	·135	·134	·107	·162	·084	·109		·086	·126	·152	·108
23	·123	·131	·128	·177		·140	·090		·079	·112	·116	·128
24		·119	·105	·155		·102	·120	·091	·096		·106	·130
25	·128	·131	·132		·087	·090		·069	·110	·133	·121	
26	·118		·113	·113	·089	·128	·073	·102		·123	·111	
27	·155	·114	·098	·114	·094		·085	·101	·086	·125	·100	·105
28	·134	·105		·131	·102	·072	·073	·122	·100	·138	·103	·119
29	·129		·120	·144	·105	·048	·088	·077	·098	·132		·108
30	·130		·113	·152	·088	·068	·081		·126	·125	·120	·123
31			·123				·055	·080				·137

TABLE VIII.—*Showing, for each Month, the Mean Range of Barometer; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Monthly Range of Standard Barometer.	Difference from the Mean of the Year.	FOR SEASONS.	
	in.	in.		in.
January	0·130	0·019		
February	·123	·012	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter.	0·123
March	·123	·012		
April	·129	·018		
May	·116	·005	Mean of { April, May, June, July, Aug. Sept. } or Summer.	0·100
June	·088	− ·023		
July	·082	− ·029		
August	·086	− ·025	Mean of the year	0·111
September	·098	− ·013		
October	·122	·011	Greatest monthly mean, in January	0·130
November	·118	·007	Least monthly mean, in July	0·082
December	·121	·010		
			Difference	0·048

TABLE IX.—*Showing the Greatest and Least Height of Standard Barometer in Simple Hourly Observations, during the Year* 1858.

Months, 1858.	Greatest Height of Barometer.				Least Height of Barometer.			
	Day and Hour.	Greatest Height of Barometer.	Normal Mean.	Difference.	Day and Hour.	Least Height of Barometer.	Normal Mean.	Difference.
	D. H.	in.	in.	in.	D. H.	in.	in.	in.
January	1 10 A. M.	30·093	30·020	0·073	12 4 P. M.	29·788	29·878	− 0·090
February	1 9 „	·078	29·993	·085	27 3 A. M.	·808	·879	− 0·071
March	19 10 „	29·978	·908	·070	23 4 P. M.	·736	·787	− 0·051
April	16 9 „	·931	·856	·075	24 4 „	·654	·705	− 0·051
May	30 8 „	·832	·721	·111	20 4 „	·464	·628	− 0·164
June	1 10 „	·849	·727	·112	24 2 A. M.	·499	·668	− 0·169
July	23 11 „	·832	·714	·118	9 5 P. M.	·497	·647	− 0·150
August	24 9 P. M.	·848	·759	·089	10 4 „	·590	·685	− 0·095
September	30 9 A. M.	·936	·852	·084	13 4 „	·611	·731	− 0·120
October	30 9 „	30·051	·879	·172	9 4 „	·659	·763	− 0·104
November	16 9 „	·059	·992	·067	24 4 „	·775	·888	− 0·113
December	30 10 „	·091	30·005	·086	13 3 „	·810	·893	− 0·083

TABLE X.—*Mean Temperature of External and Free Air, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	74°4	76°7		81°3	88°0	81°8	83°7		80°5	81°2		76°8
2	74·0	77·3	75°0			81·4	83·6	78°3	80·8	81·5		76·0
3		77·6	75·1	82·0	86·3	83·0	84.4	79·5	81·6		80°2	75·1
4	73·5	76·1	76·4		85·4	85·1		78·6	81·3	83·6	79·5	76·0
5	73·0	73·2	76·8	83·3	86·3	86·1	84·6	79·9		82·3	79·3	
6	72·5	72·4	77·0	84·2	86·6		84·0	80·1	82·7	82·1		76·7
7	71·9			85·8	86·9	80·6	80·9	80·1	83·1	82·5		76·5
8	72·7	72·0	78·6	84·5	86·7	84·6	80.1		81·6	83·3	80·1	74·9
9	72·3	73·6	79·2	83·5	87·1	85·5	80·3	81·0	82·3	84·0	79·9	75·1
10	72·6	74·1	78·8	83·8		85·6	79·6	79·2	80·2		80·2	77·0
11		74·4	77·8	83·1	86·7	86·1		80·7	76·0	80·4	78·9	78·7
12	77·3	73·4	78·8		87·0	86·3	81·6	81·3		81·5	79·0	
13	77·7	73.8	81·1	82·9	86·8		78·4	81·2	77·1	82·3	78·3	77·1
14	77·9		82·3	83·0	86·9	86·5	80·5	81·1	79·6	80·3		76·3
15	78·2	75·0		82·4	85·9	87·3	79·1		80·2	80·3	78·4	75·5
16	75·6	74·8	81·7	83·5		87·2	78·9	81·4	81·1	81·4	78·9	75·2
17		76·0	80·4	83·7	85·3	87·1	80·7	81·3	81·3		78·2	74·6
18	73·7	75·2	78·8		85·3	87·3		81·0	79·8	80·6	77·3	73·9
19	72·5	74·4	81·5	84·2	85·9	85·6	82·2	81·1		81·9	77·5	
20	71·5	74·4	82·7	84·7	84·8		81·9	81·3	80·5	82·6	77·6	73·9
21	70·0			86·4	86·3	82·9	81·5	81·2	80·0	81·6		74·4
22	70·0	77·2	82·5	86·9	84·4	81·7	81·4		79·9	80·6	78·7	75·2
23	72·0	78·5	82·9	86·8		83·4	82·0		79·5	81·1	79·4	75·4
24		78·0	82·0	87·5		79·2	81·8	79·5	80·5		79·1	75·0
25	72·2	76·2	82·2		86·0	78·4		79·9	80·1	79·4	80·4	
26	70·9		82·5	85·8	86·4	81·4	80·3	80·6		78·9	81·2	
27	69·0	76·2	81·9	84·5	86·6		79·3	80·5	80·4	79·0	80·8	76·3
28	70·5	74·9		84·2	86·6	81·8	79·9	81·9	80·1	79·2	79·3	75·3
29	73·5		80·2	86·2	86·7	82·7	80·3	81·7	80·3	80·2		74·3
30	75·6		81·4	86·9	84·2	80·4	80·6		81·0	80·4	76·6	73·6
31			81·1				81·4	79·9				75·4

TABLE XI.—*Showing, for each Month, the Mean Temperature of External and Free Air, and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Temperature of External and Free Air.	Difference from the Mean of the last Twelve Years.	FOR SEASONS.	
January	73°3	− 0°6		
February	75·2	− 0·6	Mean of { Jan. Feb. March, / Oct. Nov. Dec. } or Winter.....	77°4
March	80·0	− 0·1		
April	84·4	1·3		
May.....	86·2	0·6	Mean of { April, May, June, / July, Aug. Sept. } or Summer	82·9
June.....	84·6	1·5		
July.....	81·2	0·1	Mean of the year	80·1
August.....	80·5	0·0		
September	80·5	0·3		
October	81·2	− 0·5	Greatest monthly mean, in May	86·2
November	79·1	− 0·3	Least monthly mean, in January	73·3
December	75·6	− 0·4	Difference.....	12·9

TABLE XII.—*Mean Temperature of External and Free Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	69°2	72°1	77°1	81°1	83°4	81°4	79°5	79°1	78°5	78°4	75°2	72°2
1 A. M.	69·3	71·2	76·8	80·8	82·9	81·3	79·4	78·9	78·1	78·0	75·1	72·0
2 „	69·0	70·9	76·4	80·5	82·6	81·4	79·2	78·6	77·9	77·8	74·8	71·6
3 „	68·5	70·5	75·9	80·1	82·3	81·2	79·2	78·4	77·7	77·4	74·8	71·3
4 „	68·1	70·1	76·4	79.7	82·3	80·9	79·2	78·4	77·6	77·0	74·5	70·8
5 „	67·5	69·5	75·1	79·4	82·2	80·6	79·2	78·5	77·6	76·9	73·9	70·5
6 „	67·2	69·2	74·6	79·4	82·4	80·7	79·3	78·3	77·5	76·5	73·8	70·2
7 „	67·5	69·5	75·7	81·6	84·2	82·1	80·1	78·9	78·6	78·0	74·9	70·8
8 „	70·2	72·5	78·1	84·1	86·1	83·6	81·2	79·7	80·3	80·0	77·1	73·4
9 „	73·0	75·4	80·9	86·2	87·8	85·0	81·7	81·1	81·7	81·6	79·2	75·5
10 „	75·2	78·1	82·7	88.2	89·5	85·8	82·8	82·1	82·7	83·2	81·2	77·3
11 „	77·2	79·7	84·2	88·9	90·6	87·1	83·8	83·3	83·6	84·4	83·2	79·0
Noon.	79·0	81·1	85·0	90·0	91·5	87·7	84·1	83·9	84·6	85·5	85·2	80·7
1 P. M.	80·4	82·0	85·6	90·6	92·0	87·7	84·7	83·2	84·4	86·7	86·0	82·1
2 „	81·3	82·6	85·8	90·5	92·0	87·9	84·6	83·8	84·9	87·0	86·5	82·6
3 „	81·2	82·5	85·7	90·2	91·6	87·5	84·1	83·3	84·3	87·1	86·4	82·5
4 „	80·2	81·8	85·3	89·6	90·5	87·0	82·9	82·6	83·4	86·7	85·6	81·7
5 „	77·7	80·2	83·6	87·3	88·5	85·8	82·2	81·5	82·0	84·6	82·5	78·9
6 „	75·1	76·9	80·8	84·9	86·4	84·1	81·3	80·3	80·5	82·4	80·4	77·2
7 „	74·1	75·5	79·6	83·5	85·0	83·0	80·7	79·8	79·8	81·6	79·6	76·4
8 „	73·3	74·8	79·2	83·0	84·2	82·8	80·8	79·7	79·3	81·1	78·8	75·7
9 „	72·5	74·0	78·6	82·5	84·1	82·4	80·1	79·5	79·0	80·3	77·8	74·6
10 „	71·2	72·9	78·1	82·1	83·7	82·3	80·0	79·4	78·7	79·3	76·3	73·5
11 „	70·3	72·3	77·9	82·0	83·4	82·0	79·6	79·2	78·5	78·8	75·1	72·6

TABLE XIII.—*Excess of the Mean Hourly Temperature of External and Free Air above its Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 4°0	− 3°1	− 2°8	− 3°3	− 2°8	− 2°4	− 1°7	− 1°4	− 2°0	− 2°3	− 3°9	− 3°4
1 A. M.	− 3·9	− 4·0	− 3·1	− 3·6	− 3·3	− 2·5	− 1·8	− 1·6	− 2·3	− 3·3	− 4·0	− 3·5
2 „	− 4·3	− 4·3	− 3·5	− 3·9	− 3·6	− 2·4	− 2·0	− 1·9	− 2·6	− 3·5	− 4·3	− 4·0
3 „	− 4·8	− 4·7	− 4·0	− 4·3	− 3·9	− 2·6	− 2·0	− 2·1	− 2·7	− 3·9	− 4·3	− 4·2
4 „	− 5·2	− 5·2	− 4·5	− 4·7	− 3·9	− 2·9	− 2·0	− 2·1	− 2·9	− 4·3	− 4·6	− 4·7
5 „	− 5·8	− 5·8	− 4·8	− 5·0	− 4·0	− 3·2	− 2·0	− 2·0	− 2·9	− 4·4	− 5·2	− 5·1
6 „	− 6·1	− 6·0	− 5·3	− 5·0	− 3·8	− 3·1	− 1·9	− 2·2	− 3·0	− 4·8	− 5·3	− 5·4
7 „	− 5·8	− 5·8	− 4·2	− 2·8	− 2·0	− 1·7	− 1·1	− 1·6	− 1·8	− 3·3	− 4·2	− 4·7
8 „	− 3·1	− 2·7	− 1·8	− 0·3	− 0·1	− 0·2	− 0·0	− 0·8	− 0·2	− 1·3	− 1·9	− 2·1
9 „	− 1·7	0·2	1·0	1·8	1·6	1·2	0·5	0·6	1·2	0·3	0·1	0·0
10 „	1·9	2·9	2·8	3·8	3·3	2·0	1·6	1·6	2·2	1·9	2·1	1·7
11 „	3·9	4·5	4·3	4·5	4·4	3·3	2·5	2·8	3·1	3·1	4·1	3·4
Noon.	5·7	5·9	5·1	5·6	5·3	3·9	2·8	3·4	4·1	4·2	6·1	5·2
1 P. M.	8·0	6·8	5·7	6·2	5·8	3·9	3·4	2·7	3·9	5·4	6·9	6·5
2 „	8·0	7·4	5·9	6·1	5·8	4·1	3·3	3·3	4·5	5·7	7·4	7·1
3 „	7·9	7·3	5·8	5·8	5·4	3·7	2·9	2·8	3·8	5·9	7·3	7·0
4 „	7·0	6·6	5·4	5·2	4·3	3·2	1·7	2·1	2·9	5·4	6·5	6·1
5 „	4·4	5·0	3·7	2·9	2·3	2·0	1·0	1·0	1·5	3·3	3·4	3·3
6 „	1·8	1·7	0·9	0·5	0·2	0·3	0·1	− 0·2	0·0	1·1	1·3	1·7
7 „	0·9	0·3	− 0·3	− 0·9	− 1·2	− 0·8	− 0·5	− 0·7	− 0·5	0·3	0·5	0·9
8 „	0·1	− 0·4	− 0·7	− 1·4	− 2·0	− 1·0	− 0·6	− 0·8	− 1·1	− 0·2	− 0·3	0·2
9 „	− 0·8	− 1·2	− 1·3	− 1·9	− 2·1	− 1·4	− 1·1	− 1·0	− 1·4	− 1·0	− 1·3	− 0·9
10 „	− 2·1	− 2·3	− 1·8	− 2·3	− 2·5	− 1·5	− 1·2	− 1·1	− 1·8	− 2·0	− 2·8	− 2·0
11 „	− 2·9	− 2·9	− 2·0	− 2·4	− 2·8	− 1·8	− 1·6	− 1·3	− 2·0	− 2·5	− 4·0	− 2·9

TABLE XIV.—*Showing, for the Year* 1858, *the Mean Temperature of External and Free Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Free Air.	Difference from the Mean of the Whole.
Midnight.	77°3	− 2°8
1 A. M.	77·0	− 3·1
2 „	76·7	− 3·4
3 „	76·4	− 3·7
4 „	76·2	− 3·9
5 „	75·9	− 4·2
6 „	75·8	− 4·3
7 „	76·8	− 3·3
8 „	78·9	− 1·2
9 „	80·8	0·7
10 „	82·4	2·3
11 „	83·7	3·6
Noon.	84·9	4·8
1 P. M.	85·5	5·4
2 „	85·8	5·7
3 „	85·5	5·4
4 „	84·8	4·7
5 „	82·9	2·8
6 „	80·9	0·8
7 „	79·9	− 0·2
8 „	79·4	− 0·7
9 „	78·8	− 1·3
10 „	78·1	− 2·0
11 „	77·6	− 2·5

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11 P. M. / Midnt. 1, 2, 3, 4, 5 A. M. } or Night.... 79°9

Mean of { 6, 7, 8, 9, 10, 11 A. M. / Noon, 1, 2, 3, 4, 5 P. M. } or Day..... 82·3

Mean..... 80·1

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum at 2 P. M.

TABLE XV.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time at which the Mean Temperature of External and Free Air, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of External and Free Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Free Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°3	67°2	14°1	2 P. M.	6 A. M.
February.	82·6	69·2	13·4	2 „	6 „
March	85·8	74·6	11·2	2 „	6 „
April	90·6	79·4	11·2	1 „	6 „
May.....	92·0	82·2	9·8	2 „	5 „
June	87·9	80·6	7·3	2 „	5 „
July.....	84·7	79·2	5·5	1 „	5 „
August.....	83·9	78·3	5·6	Noon.	6 „
September	84·9	77·5	7·4	2 P. M.	6 „
October	87·1	76·5	10·6	3 „	6 „
November	86·5	73·8	12·7	2 „	6 „
December	82·6	70·2	12·4	2 „	6 „

TABLE XVI.—*Diurnal Range of the Temperature of External and Free Air, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	17°1	15°1		12°7	11°5	6°1	9°6		10°9	9°6		11°8
2	17·0	16·8	9°4			5·5	7·9	4°6	9·3	10·5		13·2
3		15·0	12·3	11·4	12·5	9·4	8·3	6·9	9·9		14·5	13·8
4	14·6	12·0	10·9		10·4	10·2		6·0	8·6	8·6	13·5	13·8
5	14·3	9·0	10·0	13·4	10·3	10·4	9·7	5·8		10·2	15·3	
6	16·1	10·0	10·2	11·8	9·1		9·3	6·1	9·9	10·9		9·2
7	14·7			14·6	8·9	11·2	6·1	6·3	9·8	12·1		8·8
8	12·8	18·6	10·6	10·6	9·6	8·7	8·5		10·3	11·5	12·6	10·8
9	15·2	16·9	11·4	11·8	10·8	10·4	9·2	6·4	11·3	12·7	12·5	13·0
10	15·0	13·7	10·0	10·6		10·9	6·4	6·1	6.8		13·5	16·6
11		12·8	10·6	10·6	10·8	10·7		8·2	3·3	9·8	14·2	14·2
12	19·4	11·9	11·0		10·5	11·2	8·4	8·8		10·1	15·9	
13	17·6	16·3	11·3	12·8	9·4		4·0	8·5	3·0	10·4	16·5	15·4
14	17·4		12·0	12·7	10·6	10·0	4·2	8·5	9·6	7·2		13·6
15	14·0	15·3		11·9	12·9	10·3	4·6		6·5	7·2	15·3	11·8
16	14·6	18·6	14·6	12·1		10·4	5·4	7·9	8·2	10·0	13.6	13·8
17		20·3	11·3	13·0	9·2	9·8	10·1	8·3	8·4		15·4	10·6
18	13·5	13·3	10·4		9·8	10·7		9·6	6·9	9·7	17·4	12·4
19	17·2	11·0	11·8	12·6	10·3	8·0	9·7	6·2		11·0	14·6	
20	15·7	14·9	13·2	9·2	10·2		6·6	7·3	8·7	11·5	13·4	16·8
21	16·5			10·2	12·3	10·2	7·4	8·5	7·9	11·4		16·8
22	16·2	13·3	15·2	13·0	9·5	9·6	9·1		8·6	13·7	14·8	14·8
23	11·8	17·2	12·0	12·8		7·5	7·3		7·6	14·2	12·6	12·6
24		12·2	12·0	11·5		7·2	9·0	7·6	8·2		8·1	14·1
25	5·8	13·6	10·2		10·9	5·7		6·4	8·9	12·7	10·8	
26	10·1		12·0	13·6	10·8	7·5	10·2	6·4		12·9	10·7	
27	15·3	12·1	13·3	12·3	10·9		3·5	7·2	8·7	12·8	12·2	15·7
28	16·9	10·3		10·6	10·8	7·2	6·4	7·7	6·8	15·6	11·6	14·8
29	17·0		13·1	13·3	11·6	8·4	6·1	8·9	9·1	14·0		11·4
30	13·4		13·5	11·3	12·3	6·9	8·6		9·5	14·6	10·8	12·6
31			12·8				8·3	5·0				8·6

TABLE XVII.—*Showing, for each Month, the Mean Range of the Temperature of External and Free Air; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Monthly Range of the Temperature of Free Air.	Difference from the Mean of the Year.	FOR SEASONS.	
January	14°6	3°5		
February	14·2	3·1	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter ..	13°1
March	11·7	0·6		
April	12·0	0·9	Mean of { April, May, June, July, Aug. Sept. } or Summer ..	9·1
May	10·6	− 0·5		
June	9·0	− 2·1	Mean of the year	11·1
July	7·5	− 3·6		
August	7·2	− 3·9	Greatest monthly mean, in January	14·6
September	8·3	− 2·8	Least monthly mean, in August	7·2
October	11·4	−0·3		
November	13·5	2·4	Difference....	7·4
December	13·1	2·0		

TABLE XVIII.—*Showing the Greatest and Least Temperature of Free and External Air, in Simple Hourly Observations during the Year* 1858.

Months, 1858.	Greatest Temperature of Air.				Least Temperature of Air.			
	Day and Hour.	Greatest Temperature of Air.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Air.	Normal Mean.	Difference.
	D. H.				D. H.			
January	12 3 P. M.	89°8	81°3	8°5	27 6 A. M.	60°8	68°0	− 7°2
February	17 2 „	89·1	82·8	6·3	8 6 „	62·6	68·7	− 6·1
March	22 3 „	90·2	86·8	3·4	3 5 „	69·3	72·9	− 3·6
April	29 2 „	94·3	91·2	3·1	1 6 „	75·5	77·9	− 1·5
May	1 1 „	94·9	91·3	3·6	30 2 „	79·0	82·0	− 3·0
June	16 2 „	93·2	87·9	5·3	7 7 „	73·6	82·7	− 9·1
July	5 0 Noon.	99·7	85·3	4·4	26 3 „	76·6	78·9	− 3·3
August	29 2 P. M.	87·3	84·3	3·0	2 6 „	75·8	78·8	− 3·0
September	7 2 „	88·8	84·6	4·2	11 3 „	74·8	77·8	− 3·0
October	9 1 „	91·3	86·2	5·1	28 4 „	72·6	75·9	− 3·3
November	3 2 „	88·8	86·7	2·1	18 4 „	69·8	74·1	− 4·3
December	11 4 „	86·8	82·1	4·7	20 5 „	66·6	70·0	− 3·4

TABLE XIX.—*Mean Temperature of Air confined within the Observatory, as obtained by the Thermometer of Large Horizontal Force Magnetometer, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	77°6	79°5		82°8	88°8	85°4	83°2		82°4	82°5		80°7
2	77·5	80·2	77°3			84·7	85·1	81°1	82·6	82·6		80·1
3		80·5	77·3	83·1	88·1	84·8	85·2	81·7	83·2		82°9	79·3
4	77·4	78·8	78·2		87·6	85·7		81·0	83·4	84·7	82·5	79·5
5	76·5	76·2	78·5	84·5	87·7	86·7	86·2	81·6		84·6	82·1	
6	75·5	75·5	78·5	84·8	87·7		85·8	81·8	84·1	84·1		80·3
7	75·8			86·6	88·2	84·0	83·8	81·9	84·3	84·1		79·8
8	76·2	74·4	80·9	87·0	88·0	85·6	82·8		83·7	84·7	83·2	78·4
9	75·3	75·9	81·6	85·9	88·3	86·4	82·9	82·3	83·7	85·1	83·1	78·9
10	75·2	76·3	81·1	85·8		86·7	82·2	81·4	82·7		83·1	79·9
11		76·5	79·8	85·8	88·4	87·6		81·9	79·5	83·8	82·5	81·0
12	78·8	76·3	80·4		88·4	88·2	83·1	82·6		83·8	81·9	
13	79·8	75·9	82·2	84·7	88·0		81·3	83·0	79·1	84·4	81·4	80·4
14	80·3		83·1	84·4	87·9	88·7	81·9	83·0	80·9	83·7		80·3
15	81·2	77·3		83·7	87·8	89·2	81·3		81·4	83·8	80·9	79·7
16	79·5	77·8	83·1	84·4		89·0	80·7	83·1	82·3	83·9	81·5	79·1
17		78·5	83·0	84·6	86·4	88·5	81·8	83·1	82·7		80·9	78·8
18	76·5	78·2	81·8		86·3	88·9		83·0	82·1	83·6	80·5	77·2
19	75·5	76·9	82·3	85·3	86·5	87·9	82·9	82·9		83·8	80·8	
20	74·2	76·5	83·4	86·0	86·2		83·1	83·2	81·3	84·1	80·8	76·7
21	73·3			86·4	86·8	85·6	83·1	83·2	81·3	83·3		77·4
22	73·3	80·5	83·9	87·7	86·4	84·7	83·0		81·5	83·3	81·2	78·4
23	75·7	80·9	84·3	87·7		85·3	83·3		81·8	83·3	82·3	78·7
24		81·0	84·5	88·3		82·7	83·4	82·2	82·3		82·6	77·9
25	75·6	79·7	84·7		87·5	81·2		82·0	82·3	82·4	83·3	
26	73·5		85·0	86·9	87·7	82·7	82·2	82·2		82·0	84·3	
27	75·1	79·2	84·1	86·6	87·8		81·5	82·2	82·4	82·1	84·0	79·5
28	75·6	77·9		85·6	88·2	83·5	81·4	83·2	82·4	82·1	82·6	79·6
29	75·4		82·0	87·0	88·5	84·0	81·8	83·4	82·7	82·9		78·8
30	78·0		83·5	87·7	87·0	82·8	82·2		82·4	82·8	81·3	76·8
31			83·0				82·6	81·9				77·8

TABLE XX.—*Showing, for each Month, the Mean Temperature of Air within the Observatory; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the Year.	FOR SEASONS.	
January	76°5	− 5°8		
February	77·9	− 4·4	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	80°1
March	81·8	− 0·5		
April	85·7	3·4	Mean of { April, May, June, July, Aug. Sept. } or Summer ..	84·4
May	87·6	5·3		
June	85·8	3·5		
July	82·8	0·5	Mean of the year	82·3
August	82·4	0·1		
September	82·2	− 0·1	Greatest monthly mean, in May.....	87·6
October	83·5	1·2	Least monthly mean, in January	76·5
November	82·1	0·2		
December	79·0	3·3	Difference....	11·1

TABLE XXI.—*Mean Temperature of Air confined within the Observatory, as obtained by the Thermometer of Large Horizontal Force Magnetometer, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	75°0	76°3	81°0	85°8	86°6	85°0	82°3	81°7	81°4	82°5	80°7	77°7
1 A. M.	74·7	76·5	80·8	84·4	86·2	84·9	82·3	81·6	81·2	82·3	80·4	77·5
2 „	74·4	76·3	80·5	84·3	86·2	84·9	82·0	81·5	81·1	82·1	80·2	77·3
3 „	74·0	76·0	80·2	84·0	86·0	84·8	81·9	81·4	81·0	81·7	80·1	77·0
4 „	73·7	75·8	79·9	83·8	85·9	84·6	81·8	81·2	80·9	81·6	79·7	76·7
5 „	73·4	75·3	79·7	83·5	85·8	84·4	81·7	81·2	80·9	81·4	79·5	76·6
6 „	73·1	75·0	79·5	83·3	85·7	84·3	81·8	81·1	80·8	81·2	79·3	76·1
7 „	72·9	74·4	79·3	83·4	86·0	84·5	81·9	81·1	80·9	81·3	79·3	76·1
8 „	73·4	75·2	79·9	84·1	86·6	85·0	82·3	81·4	81·4	81·9	80·0	76·9
9 „	74·6	76·8	80·9	85·2	87·4	85·7	82·7	82·1	82·0	82·7	80·9	78·1
10 „	76·1	77·9	82·1	86·3	88·2	86·2	83·3	82·6	82·5	83·8	82·3	78·7
11 „	77·8	79·4	83·1	87·2	88·9	86·8	83·8	83·2	83·4	84·7	83·7	80·7
Noon.	78·7	80·5	83·8	87·9	89·4	87·3	84·1	83·9	83·9	85·4	84·9	81·7
1 P. M.	79·6	81·0	84·3	88·4	89·8	87·5	84·5	83·9	84·2	86·1	85·7	82·4
2 „	80·2	81·5	84·6	88·5	90·0	87·6	84·6	84·1	84·4	86·3	86·1	82·8
3 „	80·4	81·7	84·6	88·6	89·9	87·5	84·6	84·1	84·6	86·4	86·1	82·8
4 „	79·7	81·3	84·3	88·3	89·6	87·3	84·2	83·9	83·8	86·0	85·3	82·2
5 „	78·8	80·3	83·6	87·5	89·1	86·9	83·8	83·4	83·2	85·2	84·4	81·2
6 „	77·7	79·2	82·8	86·7	88·4	86·3	83·4	82·8	82·7	84·5	83·5	80·3
7 „	77·2	78·6	82·3	86·1	87·7	85·9	83·1	82·5	82·3	84·0	82·9	79·7
8 „	76·7	78·2	82·1	85·7	87·4	85·6	82·9	82·3	82·0	83·8	82·5	79·2
9 „	76·3	77·9	81·8	85·4	87·2	85·4	82·7	82·0	81·8	83·5	81·9	78·8
10 „	75·7	77·4	81·5	85·3	86·9	85·3	82·5	81·9	81·7	83·0	81·2	78·4
11 „	75·2	76·6	81·4	85·3	86·8	85·1	82·4	81·8	81·5	82·8	80·9	77·9

TABLE XXII.—*Excess of the Mean Hourly Temperature of Air within the Observatory above the Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 1°5	− 1°0	− 0°8	0°1	− 1°0	− 0°8	− 0°5	− 0°7	− 0°8	− 1°0	− 1°4	− 1°3
1 A. M.	− 1·8	− 1·4	− 1·0	− 1·3	− 1·4	− 0·9	− 0·5	− 0·8	− 1·0	− 1·2	− 1·7	− 1·5
2 „	− 2·1	− 1·6	− 1·3	− 1·4	− 1·4	− 0·9	− 0·8	− 0·9	− 1·1	− 1·4	− 1·9	− 1·7
3 „	− 2·5	− 1·9	− 1·6	− 1·7	− 1·6	− 1·0	− 0·9	− 1·0	− 1·2	− 1·8	− 2·0	− 2·0
4 „	− 2·8	− 2·1	− 1·9	− 1·9	− 1·7	− 1·2	− 1·0	− 1·2	− 1·3	− 1·9	− 2·4	− 2·3
5 „	− 3·1	− 2·6	− 2·1	− 2·2	− 1·8	− 1·4	− 1·1	− 1·2	− 1·3	− 2·1	− 2·6	− 2·4
6 „	− 3·4	− 2·9	− 2·3	− 2·4	− 1·9	− 1·5	− 1·0	− 1·3	− 1·4	− 2·3	− 2·8	− 2·9
7 „	− 3·6	− 3·5	− 2·5	− 2·3	− 1·6	− 1·3	− 0·9	− 1·3	− 1·3	− 2·2	− 2·8	− 2·9
8 „	− 3·1	− 2·7	− 1·9	− 1·6	− 1·0	− 0·8	− 0·5	− 1·0	− 0·8	− 1·6	− 2·1	− 2·1
9 „	− 1·9	− 1·1	− 0·9	− ·05	0·2	− 0·1	− 0·1	− 0·3	− 0·2	− 0·8	− 1·2	− 0·9
10 „	− 0·4		0·3	0·6	0·6	0·4	0.5	0·2	0·3	0·3	0·2	− 0·3
11 „	1·3	1·5	1·3	1·5	1·3	1·0	1·0	0·8	1·2	1·2	1·6	1·7
Noon.	2·2	2·6	2·0	2·2	1·8	1·5	1·3	1·5	1·7	1·9	2·8	2·7
1 P. M.	3·1	3·1	2·5	2.7	2·2	1·7	1·7	1·5	2·0	2·6	3·6	3·4
2 „	3.7	3·6	2·8	2·8	2·4	1·8	1·8	1.7	2·3	2·8	4·0	3.8
3 „	3·9	3·8	2·8	2·9	2·3	1·7	1.8	1·7	2·4	2·9	4·0	3·8
4 „	3·2	3·4	2·5	2·6	2.0	1·5	1·4	1·5	1·6	2·5	3·2	3·2
5 „	2·3	2.4	1·8	1·8	1·5	1·1	1·0	1·0	1·0	1·7	2·3	2·2
6 „	1·2	1·3	1.0	1·0	0·8	0·5	0·6	0·4	0·5	1·0	1·4	1·3
7 „	0·7	0·7	0.5	0·4	0·1	0·1	0·3	0·1	0·1	0·5	0·8	0·7
8 „	0·2	0·3	0·3	0·0	− 0·2	− 0.2	0·1	− 0·1	− 0·2	0·3	0·4	0.2
9 „	− 0·2	− 0·0	0·0	− 0·3	− 0·4	− 0·4	− 0·1	− 0·4	− 0·4	0·0	− 0.2	− 0·2
10 „	− 0·8	− 0·5	− 0·3	− 0·4	− 0·7	− 0·5	− 0·3	− 0·5	− 0·5	− 0·5	− 0·9	− 0·6
11 „	− 1·3	− 1·3	− 0·4	− 0·4	− 0·8	− 0·7	− 9·4	− 0·6	− 0·7	− 0·7	− 1.2	− 1·1

TABLE XXIII.—*Showing, for the Year* 1857, *the Mean Temperature of Air within the Observatory, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the whole.	FOR DAY AND NIGHT.
H.			
Midnight.	81°4	− 0°9	
1 A. M.	81·1	− 1·2	
2 „	80·9	− 1·4	Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night .. 81°5
3 „	80·7	− 1·6	
4 „	80·5	− 1·8	
5 „	80·3	− 2·0	
6 „	80·1	− 2·2	Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1 2, 3, 4, 5, P. M.} or Day.... 83·1
7 „	80·1	− 2·2	
8 „	80·7	− 1·6	
9 „	81·6	− 0·7	Mean..... 82·3
10 „	82·5	0·2	
11 „	83·6	1·3	
Noon.	84·3	2·0	
1 P. M.	84·8	2·5	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	85·1	2·8	
3 „	85·1	2·8	A minimum between 6 & 7 A. M.
4 „	84·7	2·4	A maximum between 2 & 3 P. M.
5 „	84·0	1·7	
6 „	83·2	0·9	
7 „	82·7	0·4	
8 „	82·4	0·1	
9 „	82·1	− 0·2	
10 „	81·7	− 0·6	
11 „	81·5	− 0·8	

TABLE XXIV.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Temperature of Air within the Observatory, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Air within the Observatory.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air within the Observatory was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°4	72°9	7°5	3 P. M.	7 A. M.
February	81·7	74·4	7·3	3 „	7 „
March	84·6	79·3	5·3	3 „	7 „
April	88·6	83·3	5·3	3 „	6 „
May.....	90·0	85·7	4·3	2 „	6 „
June.....	87·6	84·3	3·3	2 „	6 „
July.....	84·6	81·7	2·9	2 „	5 „
August.....	84·1	81·1	3·0	2 „	7 „
September	84·6	80·8	3·8	3 „	6 „
October	86·4	81·2	5·2	3 „	6 „
November	86·1	79·3	6·8	3 „	7 „
December.....	82·8	76·1	6·7	3 „	7 „

TABLE XXV.—*Mean Temperature of Air in Contact with the Surface of the Earth, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	74°2	76°4		81°3	88°2	82°6	84°4		80°6	80°7		76°5
2	73·3	77·0	74°8			82·2	84·2	79°2	80·5	81·0		75·9
3		77·3	75·0	82·2	86·6	83·5	85·0	80·1	81·2		79°0	74·9
4	73·6	76·1	76·2		86·0	85·5		79·4	80·9	83·2	78·9	75·7
5	73·1	73·2	76·7	83·2	86·8	86·4	81·2	80·6		82·1	78·9	
6	72·5	72·4	76·9	84·2	87·0		84·8	80·5	82·1	81·7		76·4
7	72·0			85·7	87·4	81·5	81·8	80·0	82·6	82·1		76·2
8	72·7	71·6	78·5	84·7	87·2	85·2	81·0		81·2	82·8	79·6	74·8
9	72·3	73·4	79·1	83·9	87·5	86·0	81·2	80·8	81·7	83·3	79·5	74·9
10	72·5	73·9	78·8	84·1		85·8	80·7	79·0	80·2		79·6	76·4
11		74·2	77·6	83·3	87·1	86·3		80·4	76·2	80·3	78·4	78·0
12	77·1	73·1	78·8		87·4	86·5	82·3	81·0		81·1	78·4	
13	77·4	73·4	80·8	83·0	87·2		79·3	80·9	77·4	82·1	77·9	76·5
14	77·6		82·2	83·1	87·2	87·2	81·2	81.0	79·5	80·5		76·0
15	77·9	74·8		82·5	86·3	87·9	80·1		79·2	81·8	77·8	75·3
16	75·6	74·6	81·5	83·5		87·5	79·6	81·1	80·3	81·2	78·3	75·0
17		75·7	80·5	83·7	85·7	87·5	81·4	81·1	80·9		77·6	74·5
18	73·5	75·7	79·2		85·8	37·6		80·7	79·7	80·5	77·0	73·8
19	72·4	74·4	81·3	84·5	86·3	86·2	82·8	80·9		81·5	77·0	
20	71·4	74·4	82·5	85·2	85·4		82·6	81·2	80·0	81·9	77·3	73·7
21	70·0			86·7	86·6	83·5	82·2	81·0	79·8	80·9		74·4
22	69·8	77·1	82·4	87·2	85·2	82·5	82·2		79·7	80·2	78·3	75·1
23	71·9	78·2	82·9	87·1		84·0	82·7		79·5	80·7	79·0	75·2
24		77·9	82·1	87·5		80·3	82·9	79·3	80·4		79·1	74·8
25	72·5	76·4	82·2		86·4	79·2		79·7	79·9	78·9	80·0	
26	70·8		82·5	85·9	86·8	82·0	81·1	80·3		78·6	80·8	
27	68·7	76·2	81·9	84·0	86·9		80·4	80·4	80·1	78·5	80·3	75·8
28	70·4	74·9		84·6	86·9	82·2	80·7	81·5	80·1	78·8	78·9	75·0
29	73·3		80·1	86·6	87·0	83·2	81·0	81·3	80·5	79·7		74·4
30	75·2		81·4	87·2	84·6	81·1	81·2		80·5	79·9	76·3	73·6
31			81·2				81·8	79·9				75·2

TABLE XXVI.—*Showing, for each Month, the Mean Temperature of Air in Contact with the Surface of the Ground; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Temperature of Air in Contact with the Surface of the Ground.	Difference from the Mean of the Year.	FOR SEASONS.	
January	73°2	− 6°9		
February	75·1	− 5·0	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	77°2
March	79·9	− 0·2		
April	84·6	4·5		
May	86·6	6·5	Mean of {April, May, June, July, Aug. Sept.} or Summer	83·0
June	84·4	4·3		
July	82·0	1·9	Mean of the year	80·1
August	80·5	0·4		
September	80·2	0·1	Greatest monthly mean, in May	86·6
October	80·9	0·8	Least monthly mean, in January	73·2
November	78·6	− 1·5		
December	75·3	− 4·8	Difference	13·4

TABLE XXVII.—*Mean Temperature of Air in Contact with the Surface of the Ground, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	70°3	72°5	77°5	81°9	84°2	82°3	80°5	79°4	78°8	78°7	75°8	72°7
1 A. M.	69·8	71·6	77·4	81·6	83·8	82·3	80·4	79·1	78·4	78·4	75·5	72·7
2 „	69·5	71·4	76·8	81·2	83·5	82·4	80·1	78·8	78·3	78·2	75·3	72·3
3 „	69·0	71·0	76·5	80·8	83·2	82·1	80·2	78·7	78·0	77·9	75·2	72·0
4 „	68·6	70·6	76·0	80·5	83·2	81·9	80·2	78·7	77·9	77·5	74·8	71·8
5 „	68·2	70·0	75·8	79·9	83·1	81·4	80·2	78·7	77·8	77·4	74·3	71·1
6 „	67·7	69·8	75·4	80·3	83·4	81·7	80·4	78·6	77·8	77·0	74·2	70·8
7 „	68·3	70·2	76·4	82·3	85·0	82·8	81·2	79·2	78·8	78·2	75·1	71·4
8 „	70·6	72·7	78·6	84·2	86·6	84·4	82·1	79·9	80·0	79·7	76·9	73·3
9 „	72·7	75·0	80·5	86·1	87·9	85·2	82·4	81·2	81·2	81·0	78·5	75·0
10 „	74·8	77·4	81·9	87·9	89·4	86·1	83·2	81·9	81·9	82·3	80·4	76·5
11 „	76·5	78·8	82·9	88·4	90·2	87·1	84·0	82·8	82·7	83·1	82·0	78·0
Noon.	78·0	79·9	83·7	89·1	91·0	87·5	84·3	83·4	83·4	84·1	83·5	79·4
1 P. M.	79·2	80·7	84·4	89·6	91·5	87·6	84·9	82·6	83·2	85·0	84·1	80·4
2 „	79·8	81·2	84·7	89·7	91·4	87·9	84·9	83·0	83·6	85·5	84·4	80·8
3 „	79·8	81·1	84·7	89·4	91·1	87·6	84·4	82·5	83·1	85·4	84·1	80·7
4 „	78·9	80·6	84·5	89·2	90·2	87·1	83·4	82·1	82·4	85·1	83·4	80·0
5 „	76·8	79·4	83·1	87·2	88·6	86·0	82·8	81·3	81·3	83·5	81·3	78·1
6 „	74·9	76·7	80·9	85·1	86·8	84·5	82·1	80·4	80·3	82·0	80·1	76·9
7 „	74·1	75·6	80·0	84·1	85·8	83·8	81·8	80·0	79·7	81·5	79·5	76·3
8 „	73·5	75·0	79·6	83·7	85·0	83·6	81·5	79·9	79·4	81·0	78·8	75·7
9 „	72·6	74·4	79·0	83·3	84·9	83·2	81·0	79·6	79·4	80·2	78·0	74·6
10 „	71·6	73·4	78·5	82·9	84·6	83·1	80·9	79·6	79·0	79·5	76·7	73·8
11 „	71·1	72·8	78·2	82·8	84·4	82·9	80·6	79·4	78·8	79·1	75·8	73·0

TABLE XXVIII.—*Excess of the Mean Hourly Temperature of Air in Contact with the Ground above its Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 2°9	− 2°6	− 2°4	− 2°7	− 2°4	− 2°0	− 1°4	− 1°0	− 1°4	− 2°2	− 2°9	− 2°6
1 A. M.	− 3·4	− 3·5	− 2·5	− 3·0	− 2·8	− 2·1	− 1·4	− 1·3	− 1·8	− 2·5	− 3·1	− 2·6
2 „	− 3·6	− 3·7	− 3·1	− 3·4	− 3·1	− 2·0	− 1·6	− 1·6	− 1·9	− 2·7	− 3·4	− 3·0
3 „	− 4·2	− 4·0	− 3·4	− 3·8	− 3·4	− 2·3	− 1·7	− 1·7	− 2·2	− 3·0	− 3·5	− 3·3
4 „	− 4·6	− 4·5	− 3·9	− 4·1	− 3·4	− 2·5	− 1·7	− 1·8	− 2·3	− 3·4	− 3·9	− 3·5
5 „	− 5·0	− 5·1	− 4·1	− 4·7	− 3·5	− 3·0	− 1·6	− 1·8	− 2·4	− 3·5	− 4·4	− 4·2
6 „	− 5·5	− 5·2	− 4·5	− 4·3	− 3·2	− 2·7	− 1·5	− 1·9	− 2·4	− 3·9	− 4·4	− 4·5
7 „	− 4·8	− 4·9	− 3·5	− 2·3	− 1·6	− 1·5	− 0·7	− 1·3	− 1·4	− 2·7	− 3·6	− 3·9
7 „	− 2·6	− 2·4	− 1·3	− 0·4	0·0	0·0	0 2	− 0·6	− 0·2	− 1·2	− 1·7	− 2·0
9 „	− 0·4	0·1	0·6	1·5	1·3	0·8	0·5	0·7	1·0	0·1	− 0·1	− 0·3
10 „	1·6	2·3	2 0	3·3	2·8	1·7	1·4	1·4	1·7	1·4	1·7	1·2
11 „	3·3	3·7	3·1	3·8	3·6	2·7	2·1	2·3	2·5	2·2	3·4	2·7
Noon.	4·8	4·8	3·8	4·5	4·4	3·1	2·4	2·9	3·2	3·2	4 9	4·1
1 P. M.	6·0	5·6	4·5	5·0	4·9	3·2	3·1	2·1	3·0	4·2	5·5	5·1
2 „	6·6	6·1	4·8	5·1	4·8	3·5	3·1	2 6	3·4	4.6	5·7	5·5
3 „	6·6	6·0	4·8	4·8	4·5	3·2	2·6	2·1	2·9	4·5	5·4	5·4
4 „	5·7	5·5	4·6	4·6	3·6	2·7	1·5	1·6	2.2	4·3	4·7	4·7
5 „	3·6	4·4	3·2	2·6	2·0	1·6	0·9	0 9	1·1	2·6	2 6	2·8
6 „	1·8	1·6	1·0	0·5	0·2	0·1	0·2	0,0	0·1	1·1	1·5	1·6
7 „	1·0	0·5	0·1	− 0·5	− 0·9	− 0·6	− 0.1	− 0·5	− 0·5	0·6	0·9	1·0
8 „	0·4	− 0·5	− 0·3	− 0·9	− 1·6	− 0·8	− 0.4	− 0·6	− 0·8	0·1	0·2	0·4
9 „	− 0·6	− 0·7	− 0·9	− 1·3	− 1·8	− 1·2	− 0,9	− 0 9	− 0·8	− 0·7	− 0·6	− 0·7
10 „	− 1.6	− 1·7	− 1·4	− 1·7	− 2·0	− 1·3	− 1.0	− 0·9	− 1·2	− 1·4	− 2·0	− 1·8
11 „	− 1.1	− 2·3	− 1.7	− 1·8	− 2·2	− 1·5	− 1·2	− 1·0	− 1·4	− 1·8	− 2·9	− 2·3

TABLE XXIX.—*Showing, for the Year* 1858, *the Mean Temperature of Air in Contact with the Ground, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Air in Contact with the Ground.	Difference from the Mean of the Whole.
Midnight.	77°9	− 2°2
1 A. M.	77·6	− 2·5
2 „	77·3	− 2·8
3 „	77·1	− 3·0
4 „	76·8	− 3·3
5 „	76·5	− 3·6
6 „	76·4	− 3·7
7 „	77·4	− 2·7
8 „	79·1	− 1·0
9 „	80·6	0·5
10 „	82·0	1·9
11 „	83·0	2·9
Noon.	83·9	3·8
1 P. M	84·4	4·3
2 „	84·7	4·6
3 „	84·5	4·4
4 „	83·9	3·8
5 „	82·4	2·3
6 „	80·9	0·8
7 „	80·2	0·1
8 „	79·7	− 0·4
9 „	79·2	− 0·9
10 „	78·6	− 1·5
11 „	78·2	− 1·9

FOR DAY AND NIGHT.

Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night ..... 78°3

Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day ..... 81·9

Mean..... 80·1

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum at 2 P. M.

TABLE XXX.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Temperature for Air in Contact with the Surface of the Ground, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Air in Contact with the Ground.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Air in Contact with the Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	79°8	67°7	12°1	3 A. M.	6 A.M.
February	81·2	69·8	11·4	2 „	6 „
March..	84·7	75·4	9·3	3 „	6 „
April.....	89·7	79·9	9·8	2 „	5 „
May	91·5	83·1	8·4	1 „	5 „
June.....	87·9	81·4	6·5	2 „	5 „
July	84·9	80·1	4·8	2 „	2 „
August	83·4	78·6	4·8	Noon	6 „
September.....	83·6	77·8	5·8	2 P. M.	6 „
October.....	85·5	77·0	8·5	2 „	6 „
November.....	84·4	74·2	10·2	2 „	6 „
December	80·8	70·8	10·0	2 „	6 „

TABLE XXXI.—*Mean Temperature of Ground Six Inches below its Surface, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	74°6	76°0		80°8	86°0	84°5	83°3		81°0	81°2		77°9
2	74·5	76·4	75°7			83·5	83·9	80°8	81·2	81·2		77·6
3		77·0	75·5	81·1	85·5	82·5	84·1	80·8	81·5		80°0	76·8
4	74·5	76·7	76·2		85·2	84·3		80·5	81·5	82·7	79·6.	76·9
5	74·4	75·4	76·7	81·8	85·5	84·9	80·8	80·8		82·1	79·5	
6	74·0	74·3	76·9	82·2	85·7		84·3	81·0	82·3	82·1		77·5
7	73·7			83·1	86·0	82·8	83·2	81·0	82·7	82·3		77·6
8	74·0	72·7	77·8	83·5	85·9	83·8	82·4		82·1	82·8	80·2	76·7
9	73·7	73·8	78·3	83·1	86·0	84·6	82·2	81·3	82·0	82·8	80·3	76·5
10	73·6	74·2	78·4	83·1		84·7	81·8	80·9	81·7		80·2	76·8
11		74·7	77·8	82·8	85·5	85·0		81·1	79·6	81·7	79·7	77·7
12	75·5	74·3	78·3		85·9	85·3	82·2	81·5		81·7	79·3	
13	76·5	74·0	79·4	82·2	86·0		81·4	81·6	79·0	82·3	79·0	77·3
14	76·9		80·1	82·5	85·9	85·6	81·4	81·9	79·6	81·8		77·1
15	77·4	74·7		82·2	85·9	86·0	81·3		80·5	81·7	78·5	76·9
16	76·7	74·9	80·3	82·5		86·2	80·9	81·6	81·0	81·8	78·6	76·3
17		75·3	80·2	82·7	84·9	86·2	81·2	81·7	81·0		78·4	76·3
18	75·2	75·6	79·5		85·0	86·5		81·5	80·9	81·7	78·0	75·6
19	74·2	75·3	79·9	83·2	85·2	86·1	82·0	81·6		81·6	78.0	
20	73·4	74·7	80·6	83·6	85·0		82·4	81·7	80·6	81·9	78·1	74·7
21	72·7			84·2	85·1	84·3	82·3	81·7	80·6	81·4		75·2
22	71·8	76·5	80·9	84·7	85·0	83·7	82·2		80·4	80·8	78·6	75·8
23	73·0	77·2	81·4	85·2		84·1	82·4		80·4	81·0	79.1	76·1
24		77·5	81·3	85·4		82·9	82·3	81·0	80·6		79·8	75·9
25	74·3	76·8	81·5		85·3	81·6		80·9	80·8	80·2	80·1	
26	72·8		81·8	84·7	85·6	82·2	81·6	81·1		79·7	80·7	
27	71·3	76·5	81·5	84·5	85·6		81·3	81·1	80·6	79·6	80·6	76·4
28	71·7	75·8		84·2	85·7	82·9	81·1	81·6	80·8	79·6	79·9	76·2
29	73·2		80·2	84·7	85·9	83·2	81·3	81·7	81·0	80·0		76·0
30	74·9		80·7	85·3	84·9	82·6	81·3		81·2	80·2	78·2	75·1
31			80·7				81·7	81·1				75·8

TABLE XXXII.—*Showing, for each Month, the Mean Temperature of Ground Six Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Temperature of Ground Six Inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.	
January	74°2	− 6°1		
February	75·4	− 4·9	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	77°7
March	79·3	− 1·0		
April	83·3	3·0	Mean of { April, May, June, July, Aug. Sept. } or Summer ..	82·9
May.....	85·5	5·2		
June.....	84·2	3·9		
July.....	82·2	1·9	Mean of the year.....	80·3
August.....	81·3	1·0		
September	81·0	0·7	Greatest monthly mean, in May	85·5
October	81·4	1·1	Least monthly mean, in January	74·2
November	79·3	− 1·0		
December.....	76·5	− 3·8	Difference....	11·3

TABLE XXXIII.—*Mean Temperature of Ground Six Inches below its Surface, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	73°9	75°2	79°0	82°9	85°1	84°0	82°0	81°2	80°8	81°2	79°2	76°4
1 A. M.	73·8	75·0	78·9	82·7	84·9	83·9	82·0	81·0	80·7	81·1	78·9	76·3
2 „	73·6	74·9	78·7	82·6	84·8	83·8	82·0	81·0	80·6	81·0	78·7	76·2
3 „	73·4	74·7	78·6	82·5	84·6	83·7	81·9	80·9	80·4	80·8	78·6	76·0
4 „	73·2	74·5	78·4	82·3	84·5	83·6	81·8	80·8	80 3	80·7	78·4	75·8
5 „	72·9	74·2	78·3	82·1	84·5	83·4	81·7	80·7	80·2	80·6	78·3	75·4
6 „	72·7	74·0	78·1	82·0	84·5	83·4	81·6	80·7	80·2	80·5	78·2	75·3
7 „	72·6	74·0	78·0	82·1	84·6	83·6	81·6	80·7	80·2	80·5	78·1	75·2
8 „	72·8	74·0	78·3	82·5	84·9	83·8	81·7	80·7	80·4	80·6	78·2	75·4
9 „	73·2	74·5	78·7	82·9	85·2	84·0	82·0	81·0	80·7	80·8	78·5	75·6
10 „	73·6	75·0	79·1	83·3	85·6	84·3	82 2	81·1	80·9	81·0	78·8	75·9
11 „	74·0	75·4	79·4	83·6	85·9	84·5	82·3	81·3	81·1	81·3	79·2	76·2
Noon.	74·5	75·8	79·7	83·9	86·2	84·8	82·5	81·6	81·3	81·5	79 6	76·6
1 P. M.	74·9	76·1	80·0	84·3	86·5	84·9	82·6	81·7	81·4	81·8	79·8	77·1
2 „	75·3	76 4	80·2	84·4	86·7	85·0	82·8	81·8	81·6	82·1	80·2	77·4
3 „	75·6	76·7	80·4	84·6	86·8	85 1	82·8	81·9	81·7	82·3	80·4	77·6
4 „	75·7	76·9	80·5	84·6	86·8	85·1	82·8	81·9	81·7	82·4	80·5	77·8
5 „	75·6	77·0	80·4	84·5	86·6	85·0	82·7	81·8	81·7	82·4	80·5	77·6
6 „	75·3	76·5	80·2	84·2	86·3	84·8	82·6	81·7	81·5	82·2	80·3	77·4
7 „	75·1	76·3	79·9	83·9	85·9	84·6	82·5	81·5	81·3	82·1	80·2	77·3
8 „	74·9	76·1	79·8	83·7	85·7	84·4	82·4	81·4	81·2	82·0	80·1	77·1
9 „	74·7	75·9	79·6	83·5	85·5	84·3	82·3	81·3	81·1	81·8	79·9	77·0
10 „	74 5	75·7	79·5	83·4	85·4	84·2	82·2	81·3	81·0	81·6	79·6	76·8
11 „	74·2	75·5	79·4	83·3	85·3	84·1	82·1	81·0	80·9	81·4	79·4	76·6

The Mean Daily Temperature of Ground below twenty inches of its Surface never alters more than 0°1, therefore Hourly Means cannot be given from such Temperature.

TABLE XXXIV.—*Excess of the Mean Hourly Temperature of Ground Six Inches below its Surface above its Temperature for the Month.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 0°2	− 0°2	− 0°3	− 0°4	− 0°4	− 0°2	− 0°2	− 0°1	− 0°2	− 0°2	− 0°1	− 0°1
1 A. M.	− 0·4	− 0·4	− 0·4	− 0·6	− 0·6	− 0·4	− 0·2	− 0·2	− 0·3	− 0·3	− 0·4	− 0·2
2 „	− 0·6	− 0·6	− 0·6	− 0·7	− 0·7	− 0·4	− 0·3	− 0·3	− 0·4	− 0·4	− 0·6	− 0·3
3 „	− 0·8	− 0·8	− 0·7	− 0·8	− 0·9	− 0·5	− 0·4	− 0·4	− 0·5	− 0·6	− 0·7	− 0·5
4 „	− 1·0	− 1·0	− 0·9	− 1·0	− 1·0	− 0·6	− 0·4	− 0·5	− 0·6	− 0·7	− 0·9	− 0·7
5 „	− 1·3	− 1·2	− 1·0	− 1·2	− 1·1	− 0·8	− 0·5	− 0·5	− 0·7	− 0·8	− 1·0	− 1·1
6 „	− 1·5	− 1·5	− 1·2	− 1·3	− 1·1	− 0·8	− 0·6	− 0 6	− 0·7	− 0·9	− 1·1	− 1·2
7 „	− 1·6	− 1·5	− 1·3	− 1·2	− 0·9	− 0·6	− 0·6	− 0·6	− 0·7	− 0·9	− 1·2	− 1·3
8 „	− 1·4	− 1·4	− 1·0	− 0·8	− 0·6	− 0 4	− 0·5	− 0·5	− 0·6	− 0·8	− 1·1	− 1·1
9 „	− 1·0	− 0·9	− 0·6	− 0·4	− 0·3	− 0·2	− 0·3	− 0·3	− 0·3	− 0·6	− 0·8	− 0·9
10 „	− 0·6	− 0·5	− 0·2	0·0	0·1	0·1	0·0	− 0·2	− 0·1	− 0·4	− 0·5	− 0·6
11 „	− 0·1	− 0·1	0·1	0·3	0·4	0·3	0·1	0 1	0·2	− 0·1	− 0·1	− 0·3
Noon.	0·3	0·4	0·4	0·6	0·7	0·6	0·3	0·3	0·4	0·1	0·3	0·1
1 P. M.	0·7	0·7	0·7	1·0	1·0	0·7	0·4	0·4	0·5	0·4	0·5	0·6
2 „	1·1	1·1	0·9	1·1	1·1	0·8	0·6	0·5	0·6	0·7	0·8	0·9
3 „	1·4	1·3	1·1	1·3	1·3	0·9	0·6	0·6	0·7	0·9	1·1	1·1
4 „	1·5	1·5	1·2	1·3	1·3	0·9	0·6	0·6	0·8	1·0	1·2	1·3
5 „	1·4	1·5	1·2	1·2	1·1	0·8	0·5	0·5	0·7	1·0	1·2	1·1
6 „	1·1	1·2	0·9	0·9	0·8	0·6	0·4	0·4	0·5	0·8	1·0	0·9
7 „	0·9	0·9	0·6	0·6	0·4	0·3	0·3	0·3	0·3	0·7	0·9	0·8
8 „	0·8	0.7	0.5	0·4	0·2	0·2	0·2	0·2	0·2	0·6	0·8	0·6
0 „	0 6	0·5	0·3	0·2	0·0	0·1	0·1	0·1	0·1	0·4	0·6	0·5
10 „	0·3	0·3	0·2	0.1	− 0·1	0·0	0·0	0·0	0·0	0·2	0·3	0·3
11 „	0·0	0·1	0·1	0·0	− 0·3	− 0·1	− 0·1	− 0·1	− 0·1	0·0	0·1	0·1

TABLE XXXV.—*Showing, for the Year* 1858, *the Mean Temperature of Ground Six Inches below its Surface, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Ground Six Inches below its Surface.	Difference from the Mean of the Whole.
Midnight.	80°1	− 0°2
1 A. M.	79·9	− 0·4
2 „	79·8	− 0·5
3 „	79·7	− 0·6
4 „	79·5	− 0·8
5 „	79·4	− 0·9
6 „	79·3	− 1·0
7 „	79·3	− 1·0
8 „	79·4	− 0·9
9 „	79·8	− 0·5
10 „	80·1	− 0·2
11 „	80·3	0·0
Noon.	80·7	0·4
1 P. M.	80·9	0·6
2 „	81·2	0·9
3 „	81·3	1·0
4 „	81·4	1·1
5 „	81·3	1·0
6 „	81·1	0·8
7 „	81·0	0·7
8 „	80·7	0·4
9 „	80·6	0·3
10 „	80·4	0·1
11 „	80·3	0·0

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M. } or Night.. 80°2

Mean of { 6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M. } or Day..... 80·4

Mean..... 80·3

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum between 6 and 7 A. M.
A maximum at 4 P. M.

TABLE XXXVI.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Temperature of Ground Six Inches below its Surface, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Ground Six Inches below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly of Ground Six Inches below the Surface was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	75°7	72°6	3°1	4 P. M.	7 P. M.
February	77·0	74·0	3·0	5 „	7 „
March	80·5	78·0	2·5	4 „	7 „
April	84·6	82·0	2·6	4 „	6 „
May.....	86·8	84·5	2·3	4 „	6 „
June.....	85·1	83·4	1·7	4 „	6 „
July.....	82·8	81·6	1·2	4 „	7 „
August.....	81·9	80·7	1·2	3 „	7 „
September	81·7	80·2	1·5	4 „	6 „
October	82·4	80·5	1·9	5 „	7 „
November	80·5	78·1	2·4	4 „	7 „
December	77·8	75·2	2·6	4 „	7 „

TABLE XXXVII.—*Mean Temperature of Ground Twenty Inches below its Surface, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	76°9	75°7		80°1	83°1	84°6	83°8		81°8	81°3		80°3
2	76·7	76·1	77°0			84·5	83·7	82°3	81·8	81·3		80·2
3		76·3	77·0	80·2	83·3	84·3	83·7	82·3	81·8		81°1	80·0
4	76·7	76·4	77·0		83·5	84·2		82·1	81·8	81·5	81·0	79·7
5	76·7	76·6	77·0	80·3	83·5	84·1	83·4	82·0		81·9	81·0	
6	76·7	76·8	77·0	80·5	83·5		84·0	82·0	81·8	82·0		79·4
7	76·7			80·7	83·6	84·1	84·0	81·9	81·8	82·0		79·3
8	76·7	76·7	77·1	80·9	83·8	84·1	83·9		81·8	82·0	81·0	79·1
9	76·7	76·5	77·3	81·0	84·0	84·0	83·9	81·9	81·8	82·0	81·0	79·0
10	76·7	76·4	77·4	81·1		84·0	83·7	81·9	81·8		81·0	78·9
11		76·3	77·5	81·3	84·0	84·0		81·9	81·8	82·1	81·0	78·9
12	76·5	76·3	77·6		84·1	84·0	83·5	81·8		82·2	81·0	
13	76·3	76·3	77·7	81·5	84·2		83·3	81·8	81·7	82·2	81·0	78·9
14	76·3		77·7	81·5	84·2	84·3	83·1	81·8	81·6	82·1		78·9
15	76·3	76·3		81·5	84·2	84·5	83·0		81·5	82·1	80·8	78·9
16	76·7	76·2	78·0	81·6		84·7	82·9	81·9	81·5	82·0	80·6	78·8
17		76·2	78·4	81·6	84·2	84·9	82·7	82·0	81·6		80·6	78·8
18	77·0	76·3	78·7		84·2	85·0		82·0	81·5	82·0	80·5	78·8
19	77·1	76·5	79·0	81·6	84·2	85·0	82·6	82·0		82·0	80·4	
20	77·1	76·5	79·0	81·7	84·2		82·6	82·0	81·5	82·0	80·3	78·1
21	77·1			81·9	84·2	85·0	82·6	82·0	81·5	82·0		77·8
22	77·1	76·5	79·3	82·0	84·2	84·9	82·6		81·5	82·0	80·1	77·6
23	76·9	76·6	79·5	82·1		84·7	82·6		81·5	82·0	80·0	77·5
24		76·7	79·5	82·2		84·6	82·6	82·0	81·5		80·0	77·6
25	76·6	76·9	79·5		84·3	84·4		82·0	81·5	81·9	80·1	
26	76·5		79·9	82·5	84·3	84·1	82·7	82·0		81·8	80·0	
27	76·3	76·9	80·2	82·8	84·4		82·8	81·9	81·4	81·6	80·2	77·8
28	75·8	77·0		83·0	84·4	83·9	82·6	81·8	81·3	81·5	80·4	77·8
29	75·5		80·1	83·0	84·4	83·9	82·4	81·8	81·3	81·3		77·9
30	75·5		80·0	83·0	84·4	83·9	82·4		81·3	81·2	80·4	77·9
31			80·0				82·4	81·8				77·9

TABLE XXXVIII.—*Showing, for each Month, the Mean Temperature of Ground Twenty Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Temperature of Ground Twenty Inches below its Surface.	Difference from the Mean of the Year.
January	76°6	− 4°2
February	76·5	− 4·3
March	78·4	− 2·4
April	81·6	0·8
May	84·0	3·2
June	84·4	3·6
July	83·1	2·3
August	82·0	1·2
September	81·6	0·8
October	81·9	1·1
November	80·6	− 0·2
December	78·7	− 2·1

FOR SEASONS.

Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	78°8
Mean of {April, May, June, July, Aug. Sept.} or Summer	82·8
Mean of the year	80·8
Greatest monthly mean, in June	84·4
Least monthly mean, in Fberuary	76·5
Difference	7·9

TABLE XXXIX.—*Mean Temperature of Ground Sixty Inches below its Surface, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	80°9	80°0		80°6	82°7	84°5	85°1		83°8	83°5		82°6
2	80·8	80·0	79°6			84·5	85·1	84°4	83·8	83·5		82·5
3		80·0	79·7	80·7	82·8	84·7	85·1	84·4	83·8		83°1	82·4
4	80·8	80·0	79·7		83·0	84·9		84·3	83·8	83·5	83·0	82·2
5	80·8	80·0	79·7	80·9	83·1	84·9	85·0	84·2		83·5	83·0	
6	80·8	79·9	79·8	81·0	83·2		85·0	84·0	83·8	83·5		82·1
7	80·8			81·1	83·2	84·9	85·0	84·0	83·8	83·5		82·3
8	80·8	79·9	79·8	81·2	83·2	84·8	85·0		83·8	83·4	83.0	82·2
9	80·8	79·7	79·8	81·2	83·2	84·9	85·0	84·0	83·8	83·3	83.0	82·2
10	80·8	79·7	79.9	81·3		85·0	85·0	84·0	83·8		83.0	82·0
11		79·7	80·0	81·5	83·3	85·0		84·0	83·8	83·3	83.0	82·0
12	80·6	79·7	80·0		83·4	85·0	·85·0	83·9		83·3	83.0	
13	80·4	79·7	79·9	81·5	83·5		85·0	83·9	83·8	83·3	83.0	81·9
14	80·4		79·9	81·5	83·6	85·1	85·0	83·9	83·8	83·2		81·9
15	80·4	79·7		81·7	83·7	85·1	85·0		83·8	83·2	83·0	81·9
16	80·1	79·6	79·9	81·8		85·1	85·0	84·0	83·8	83·2	82·9	81·9
17		79·5	80·0	81·9	83·8	85·1	84·9	84·0	83·7		82·9	81·9
18	80·0	79·5	80·0		83·9	85·1		84·0	83·8	83·2	82·8	81·9
19	80·1	79·5	80·0	81·9	84·0	85·1	84·9	84·0		83·2	82·8	
20	80·2	79·5	80·0	82·0	84·0		84·9	84·0	83·8	83·2	82·7	81·9
21	80·2			82·1	84·0	85·2	84·9	84·0	83·7	83·2		81·8
22	80·2	79·4	80·1	82·1	84·0	81·1	84·9		83·7	83·2	82·6	81·7
23	80·2	79·4	80·1	82·2		85·0	84·9		83·7	83·2	82·5	81·5
24		79·4	80·1	82·2		85·0	84·9	84·0	83·7		82·5	81·5
25	80.2	79·4	80·1		84·1	81·1		84·0	83·7	83·2	82·6	
26	80·2		80·2	82·4	84·2	85·1	84·9	84·0		83·2	82·8	
27	80·1	79·5	80·3	82·5	84·3		84·8	83·9	83·6	83·2	82·8	81·6
28	80·0	79·6		82·5	84·3	85·2	84·6	84·0	83·5	83·2	82·8	91·6
29	80·0		80·4	82·6	84·3	85·2	84·4	84·0	83·5	83·1		81·5
30	79·9		80·5	82·6	84·4	85·1	84·4		83·5	83·1	82·7	81·4
31			80.6				84·4	83·9				81·4

TABLE XL.—*Showing, for each Month, the Mean Temperature of Ground Sixty Inches below its Surface; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Temperature of Ground Sixty Inches below its Surface.	Difference from the Mean of the Year.	FOR SEASONS.	
January	80°4	− 2°1		
February	79·7	− 2·8	Mean of { Jan. Feb. March, / Oct. Nov. Dec. } or Winter	81°3
March	80·0	− 2·5		
April	81·7	− 0·8	Mean of { April, May, June, / July, Aug. Sept. } or Summer	83·8
May	83·6	1·1		
June	85·0	2·5	Mean of the year	82·5
July	84·9	2·4		
August	84·0	1·5		
September	83·7	1·2	Greatest monthly mean, in June	85·0
October	83·3	0·8	Least monthly mean, in February	79·7
November	82·8	0·3		
December	81·9	− 0·6	Difference	5·3

TABLE XLI.—*Mean Temperature of Evaporation as obtained by Wet Bulb Thermometer, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	66°7	70°5		75·9	82°3	80°1	80°3		78°3	77°2		72°6
2	67·5	72·5	68°9			79·6	80·1	77°8	76·9	77·9		72·2
3		73·6	68·5	75·0	80·6	79·3	80·5	78·1	76·7		72°2	71·2
4	69·7	72·2	71·0		81·3	78·9		78·1	77·0	81·1	71·7	72·4
5	69·3	70·4	71·8	77·2	81·9	78·9	80·3	78·4		79·7	71·5	
6	67·8	67·8	71·9	75·3	82·2		79·9	78·0	77·9	79·0		72·6
7	68·3			76·7	82·6	76·4	79·2	78·3	77·9	79·3		71·7
8	69·6	64·3	74·3	79·8	80·9	78·5	78·9		77·3	79·5	74·1	70·3
9	67·3	66·8	73·9	79·5	80·6	78·3	79·5	78·1	77·3	78·1	73·8	69·7
10	67.2	67·1	73·3	78·6		77·7	78·6	77·4	76·9		72·2	70·0
11		69·7	71·8	77·1	79·6	78·8		78·4	75·9	78·4	71·5	71·7
12	70·8	68·3	72·4		79·9	79·6	79·4	78·3		78·7	70·5	
13	71·5	66·2	74·7	77·1	80·6		77·9	78·1	76·7	78·5	70·8	69·7
14	71·6		74·1	77·4	80·8	80·4	79·2	78·2	78·3	78·9		70·1
15	73·4	67·7		76·8	80·9	80·6	78·3		78·2	79·1	68·8	70·7
16	71·3	67·8	74·1	77·5		79·9	78·1	78·0	78·3	79·5	68·5	70·0
17		67·8	75·8	76·7	80·1	79·9	79·0	78·2	78·1		68·4	70·4
18	66·4	69·6	74·9		80·5	80·4		78·3	77·9	78·7	69·3	68·3
19	65·7	68·6	73·7	78·3	80·8	80·2	79·4	77·8		78·0	70·7	
20	64·1	66·5	73·1	78·7	80·0		78·8	78·0	76·6	76·2	71·9	68·9
21	62·6			77·1	81·0	79·0	79·2	77·7	76·0	72·0		68·3
22	63·2	72·5	73·8	79·3	82·1	78·9	79·1		75·8	73·6	71·7	69·3
23	69·1	72·3	75·4	80·2		80·0	79·0		75·8	74·4	74·6	69·1
24		71·2	77·5	78·0		77·9	79·2	77·1	76·3		76·5	67·0
25	69·4	71·3	78·4		80·4	77·7		77·4	76·7	72·5	75·8	
26	65·3		79·3	78·2	80·2	79·4	78·5	77·9		72·7	76·2	
27	61·9	70·6	77·4	80·1	80·2		78·2	78·0	76·4	73·2	75·5	69·6
28	65·0	68·3		79·8	80·1	79·1	78·2	78·6	77·0	73·0	71·8	69·6
29	69·5		74·9	81·0	80·7	79·2	77·9	77·7	77·8	73·6		69·3
30	73·0		75·8	80·7	79·8	78·7	78·5		77·2	72·7	71·9	68·8
31			75·7				78·5	77·0				69·1

TABLE XLII.—*Showing, for each Month, the Mean Temperature of Evaporation or Wet Bulb Thermometer; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Temperature of Evaporation.	Difference from the Mean of the last Twelve Years.	FOR SEASONS.	
January	68°0	0°1		
February	69·3	0·5	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	71°7
March	74·2	0·8		
April	78·1	1·6	Mean of { April, May, June, July, Aug. Sept. } or Summer	78·7
May.....	80·8	1·8		
June.....	79·1	− 0·1	Mean of the year.....	75·2
July.....	79·0	0·7		
August.....	78·0	0·7		
September	77·2	0·5	Greatest monthly mean, in May.....	80·8
October	76·7	− 0·2	Least monthly mean, in January	68·0
November	72·2	− 0·2		
December	70·1	1·0	Difference.....	12·8

TABLE XLIII.—*Mean Temperature of Evaporation or Wet Bulb Thermometer, in each Month, for each Hour of Bombay Civil Time.*

Bombay, Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	66°4	68°5	73°3	77°4	79°9	78°4	78°3	77°3	76°4	76°2	71°1	68°6
1 A. M.	66·3	67·4	73·7	77·3	79·5	78·2	78·3	77·3	76·0	75·7	70·8	68·7
2 „	65·9	67·6	73·3	76·9	78·9	78·3	78·0	77·0	75·8	75·5	70·9	68·4
3 „	65·3	67·1	72·9	76·6	79·2	78·2	78·1	77·0	75·7	75·4	70·7	68·2
4 „	65·0	66·9	72·3	76·4	79·0	78·0	78·1	76·9	75·6	74·9	70·0	68·1
5 „	64·8	65·9	72·6	76·3	79·0	77·8	78·0	76·8	75·9	74·7	69·5	67·8
6 „	64·2	66·1	71·9	75·6	79·4	78·1	77·9	76·7	75·9	74·5	69·2	67·2
7 „	64·5	65·8	72·3	76·3	80·2	78·6	78·4	77·4	76·9	75·5	69·3	67·8
8 „	66·0	66·8	73·3	77·1	80·7	79·4	79·1	77·6	77·6	76·0	70·6	69·1
9 „	66·6	67·2	73·8	78·0	81·3	70·8	79·5	78·6	78·2	76·6	70·7	69·6
10 „	67·4	69·3	74·7	78·8	81·9	80·2	80·0	78·9	78·5	77·1	71·8	70·3
11 „	68·6	70·2	75·8	79·9	82·4	80·7	80·3	79·7	78·9	77·2	72·0	71·1
Noon.	69·4	71·5	76·4	80·5	82·6	80·6	80·4	80·1	79·2	77·3	73·0	71·2
1 P. M.	70·3	72·2	76·5	80·4	82·8	80·3	80·9	79·5	79·0	78·4	73·8	71·9
2 „	71·4	73·1	76·6	80·2	82·7	80·5	80·8	79·7	78·9	78·5	74·1	72·4
3 „	72·2	73·7	76·2	80·1	82·6	80·3	80·4	79·5	78·4	79·1	75·2	72·8
4 „	72·5	73·6	76·1	79·7	82·4	80·1	79·6	78·9	78·0	78·8	75·7	72·9
5 „	71·8	73·0	75·4	79·4	81·7	79·8	79·2	78·3	77·4	78·2	75·2	72·3
6 „	70·6	71·1	74·3	78·7	81·1	79·0	79·0	77·4	76·9	77·5	74·7	71·9
7 „	70·1	70·3	73·8	78·1	80·7	78·7	78·6	77·4	76·8	77·4	74·4	71·8
8 „	69·4	69·8	73·9	77·9	80·6	78·4	78·4	77·4	76·7	77·4	74·1	71·5
9 „	68·7	69·2	73·8	77·6	80·5	78·5	78·5	77·2	76·6	77·3	73·1	70·5
10 „	67·9	68·3	73·3	77·3	79·9	78·5	78·4	77·4	76·4	76·5	71·2	69·8
11 „	66·8	68·2	73·6	77·5	80·2	78·4	78·3	77·3	76·3	76·3	71·2	68·5

TABLE XLIV.—*Excess of the Mean Hourly Temperature of Evaporation above the Mean of the Month.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	-1°6	-0°9	-0°9	-0°7	-0°9	-0°7	-0°8	-0°6	-0°8	-0°5	-1°1	-1°5
1 A. M.	-1·7	-2·0	-0·5	-0·8	-1·3	-0·9	-0·8	-0·7	-1·1	-1·1	-1·3	-1·4
2 „	-2·1	-1·7	-0·9	-1·2	-1·9	-0·8	-1·0	-0·9	-1·4	-1·3	-1·2	-1·7
3 „	-2·7	-2·2	-1·3	-1·5	-1·6	-0·9	-0·9	-1·0	-1·5	-1·4	-1·5	-1·9
4 „	-3·0	-2·4	-1·9	-1·7	-1·8	-1·1	-1·0	-1·0	-1·6	-1·8	-2·2	-2·0
5 „	-3·2	-3·4	-1·6	-1·8	-1·8	-1·3	-1·0	-1·1	-1·3	-2·1	-2·7	-2·3
6 „	-3·8	-3·2	-2·3	-2·5	-1·4	-1·0	-1·1	-1·2	-1·3	-2·3	-3·0	-2·9
7 „	-3·5	-3.6	-1·8	-1·8	-0·6	-0·5	-0·6	-0·6	-0·2	-1·2	-2·9	-2·3
8 „	-2·0	-2·5	-0·9	-1·0	-0·1	0·3	0·1	-0·3	0·3	-0·7	-1·6	-1·0
9 „	-1·4	-1·5	-0·4	-0·1	0·5	0·7	0·5	0·7	1·0	-0·2	-1·5	-0·5
10 „	-0·6	0·0	0·5	0·7	1·1	1·1	1·0	1·0	1·3	0·4	-0·3	0·2
11 „	0·6	0·9	1·6	1·8	1·6	1·6	1·3	1·8	1·7	0·5	-0·2	0·9
Noon.	1·4	2·2	2·2	2·4	1·8	1·5	1·4	2·1	2·1	0·6	0·9	1·1
1 P. M.	2·3	2·9	2·3	2·3	2·1	1·2	1·8	1·6	1·8	1·6	1·6	1·8
2 „	3·4	3·8	2·4	2·1	1·9	1·4	1·8	1·8	1·8	1·8	1·9	2·3
3 „	4·2	4·4	2·0	2·0	1·8	1·2	1·4	1·6	1·3	2.2	3·0	2·7
4 „	4·5	4·3	1·9	1·6	1·6	1·0	0·6	0·9	0·9	2·1	3·5	2·8
5 „	3·8	3·7	1·2	1·3	1·0	0·7	0·2	0·4	0·3	1·5	3·1	2·2
6 „	2·7	1·8	0·1	0·6	0·3	-0·1	0·0	-0·5	-0·3	0·8	2·5	1·8
7 „	2·1	1·0	-0·4	0·0	-0·1	-0·4	-0·4	-0·5	-0·4	0·7	2·2	1·7
8 „	1·4	0·5	-0·3	-0·2	-0·2	-0·7	-0·6	-0·6	-0·5	0·7	1·9	1·4
9 „	0·7	-0·1	-0·4	-0·5	-0·3	-0·6	-0·5	-0·7	-0·5	0·5	0.9	0·4
10 „	-0·1	-1·0	-0·9	-0·8	-0·9	-0·6	-0·6	-0·5	-0·7	-0·2	-1.0	-0.3
11 „	-1·2	-1.1	-0·6	-0·6	-0·6	-0·7	-0·7	-0·6	-0·9	-0·4	-1·0	-1·6

TABLE XLV.—*Showing, for the Year* 1858, *the Mean Temperature of Evaporation or Wet Bulb Thermometer, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Evaporation.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
H.			
Midnight.	74°3	− 0°9	
1 A. M.	74.1	− 1·1	
2 „	73·9	− 1·3	
3 „	73·7	− 1·5	Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night ..... 74°5
4 „	73·3	− 1·9	
5 „	73·3	− 1·9	
6 „	73·1	− 2·1	
7 „	73 6	− 1·6	Mean of {6, 7, 8, 9, 10, 11, P. M. / Noon, 1, 2, 3, 4, 5, A. M.} or Day ..... 75·9
8 „	74·4	− 0·8	
9 „	75·0	− 0·2	Mean ..... 75·2
10 „	75·7	0·5	
11 „	76·4	1·2	
Noon.	76.9	1·7	
1 P. M.	77.2	2·0	
2 „	77·4	2·2	TIMES OF MEAN MAXIMUM AND MINIMUM.
3 „	77·5	2·3	
4 „	77·4	2·2	A minimum at 6 A.M.
5 „	76·8	1·6	A maximum at 3 P.M.
6 „	76·0	0·8	
7 „	75·7	0·5	
8 „	75·5	0·3	
9 „	75·1	− 0·1	
10 „	74·6	− 0·6	
11 „	74·4	− 0·8	

TABLE XLVI.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Temperature of Evaporation, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Evaporation.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Evaporation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	72°5	64°2	8°3	4 P. M.	6 A. M.
February.	73·7	65·8	7·9	3 „	7 „
March	76·6	71·9	4·7	2 „	6 „
April	80·5	75·6	4·9	Noon.	6 „
May.....	82·8	78·9	3·9	1 P. M.	2 „
June	80·5	77·8	2·7	2 „	5 „
July.....	80·9	77·9	3·0	1 „	6 „
August.....	80·1	76·7	3·4	Noon.	6 „
September	79·2	75·6	3·6	Noon.	4 „
October	79·0	74·5	4·5	3 P. M.	6 „
November	75·7	69·2	6·5	4 „	6 „
December	72·9	67·2	5·7	4 „	6 „

TABLE XLVII.—*Diurnal Range of the Temperature of Evaporation, as obtained from the Extreme Readings of Wet Bulb Thermometer, in Simple Hourly Observations, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1	10°7	11°3		4°3	7°2	5°2	6°1		6°4	3°4		4°4
2	12·0	12·5	5°0			5·3	5·3	4°6	6·0	4·8		7·4
3		9·4	6·6	4·1	3·5	4·3	4·0	5·4	4·5		8°1	7·4
4	9·5	8·4	5·6		4·9	4·0		4·9	4·0	4·4	9·3	7·4
5	8·9	4·4	4·2	5·8	4·0	3·9	3·9	4·0		6·0	9·4	
6	11·0	8·3	4·7	13·1	3 3		5·0	4·0	4·8	6·6		3·5
7	9·7			6·6	4·3	7·2	3·9	4·4	3·7	7·2		5·0
8	7·0	15·7	3·8	5·9	3·1	4·5	5·4		5·6	6·9	5·8	5·4
9	8·9	13·8	4·1	4·6	4·0	3·8	4.9	4·3	4·6	7·7	6·3	4·2
10	13·0	12·4	4·8	4·5		3·5	4·5	4·0	3·4		8·3	8·6
11		9·9	5·2	4·0	3·6	4·4		3·8	4·4	5·3	7·4	11·5
12	10·4	6·9	4·4		4·2	4·5	5·7	4·4		5·0	7·6	
13	11·8	14·0	5·6	5·0	3·6		4·2	4·5	1·9	7·1	10 5	7·9
14	12·3		6·6	4·2	3·0	3·7	3·3	4·2	6·0	4·2		7·6
15	8·5	15·1		4·0	6·2	4·2	2·7		3·8	3·5	10·5	5·3
16	12·3	16·7	13·9	4·8		4·2	3·5	4·0	3·4	5·2	8·7	7·2
17		14·1	5·0	5·6	5·2	4·0	6·0	4·4	4·8		11·4	6·2
18	9·2	7·2	4·0		5·3	3·5		5·7	4·5	6·0	11·6	7·6
19	12·6	7·6	8·5	6·4	5·7	4·3	5·4	4·2		4·6	10·2	
20	14·6	11·2	11·0	5·2	4·7		5·1	5·4	4·7	4·0	10·0	12·4
21	12·8			10·4	6·7	5·2	4·5	6·2	5·3	7·2		9·3
22	13·4	11·1	11·7	10·1	4·8	5·8	6·0		4·0	9·0	9·8	9·8
23	6·5	9·4	7·0	6·8		4·7	4·0		4·8	8·8	10·3	9·0
24		11·1	6·0	8·1		4·6	4·1	5·1	5·8		7·8	12·6
25	6·0	7·5	5·2		6·2	4·6		5·2	4·0	7·5	4·8	
26	5·8		7·1	9·0	4·1	4·2	5·4	4·5		7·4	8·1	
27	10·2	7·6	4·8	4·8	4·7		3·6	4·5	4·8	6·6	6·5	6·6
28	12·5	5·0		5·3	5·4	4·0	3·5	5·0	3·9	6·2	7·0	6·8
29	14·0		6·4	10·0	4·2	5·0	2·4	4·9	5·4	8·4		8·0
30	9·2		5·6	9·7	5·1	5·4	5·0		5·4	7·6	3·7	8·0
31			5·0				4·6	2·2				5·0

TABLE XLVIII.—*Showing, for each Month, the Mean Diurnal Range of the Temperature of Evaporation; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Monthly Range of Evaporation Temperature.	Difference from the Mean of the Year.	FOR SEASONS.	
January	10°5	3°9		
February	10·4	3·8	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	8°3
March	6·7	0·1		
April	6·5	− 0·1	Mean of { April, May, June, July, Aug. Sept. } or Summer ..	5·0
May	4·7	− 1·9		
June	4·5	− 2·1		
July	4·7	− 1·9	Mean of the year	6·6
August	4·7	− 1·9		
September	5·0	− 1·6	Greatest monthly mean, in January	10·5
October	6·2	− 0·4	Least monthly mean, in June.....	4·5
November	8·4	1·8		
December	7·5	0·9	Difference....	6·0

TABLE XLIX.—*Showing the Greatest and Least Temperature of Evaporation, in Simple Hourly Observations of Wet Bulb, during the Year* 1858.

Months, 1858.	Greatest Temperature of Evaporation.				Least Temperature of Evaporation.			
	Day and Hour.	Greatest Temperature of Wet Bulb.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Wet Bulb.	Normal Mean.	Difference.
	D. H.				D. H.			
January	14 3 P. M.	79°7	72°2	7°5	21 11 P. M.	55·4	67·1	− 11·7
February	2 {3, 4} „	78·8	73·1	5·7	8 5 A. M.	56·3	65·6	− 9·3
March	26 Noon	82·6	77·9	4·7	16 6 „	65·7	72·0	− 7·7
April	30 2 P. M.	85·9	81·4	4·5	6 7 „	67·0	75·1	− 8·1
May	11 1 A. M.	85·2	81·2	4·0	25 5 „	76·8	81·1	− 4·3
June	21 1 „ / 15 Noon.	83·0	81·4 / 80·6	1·6 / 2·4	7 7 „	72·3	78·9	− 6·6
July	1 1 P. M / 2 2&3 „	83·5	80·6 / 80·7	2·9 / 2·8	13 Midnight	75·4	78·3	− 2.9
August	3 2 „	81·6	80·1	1·5	24 4 A. M.	73·6	76·6	− 3·0
September	14 2 „	81·5	78·2	2·6	11 3 „	73·3	75·9	− 2·6
October	4 Noon	83·2	78·0	4·2	25 11 P. M.	68·5	74·6	− 6·1
November	26 3 P. M.	81·6	74·3	7·3	17 4 A. M.	63·0	68·2	− 5·2
December	11 5 „	77·0	72·7	4·3	24 6 „	60·0	66·3	− 6·3

TABLE L.—*Mean Temperature of (Deduced) Dew-Point, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	62°5	67°7		73°8	80°4	79°3	79°3		77°6	75°6		70°7
2	64·0	70·6	65°9			79·0	77·2	77°6	75·3	76·5		70·5
3		72·0	65·1	72·1	78·6	78·0	77·3	77·6	76·3		68°5	69·4
4	67·8	70·5	68·4		79·9	76·6		77·7	75·3	80·2	68·1	70·8
5	67·4	69·0	69·5	71·0	80·3	76·2	78·8	77·8		78·8	67·8	
6	65·4	65·4	69·6	71·6	80·7		78·5	77·2	76·2	77·9		70·8
7	66·5			73·1	81·2	74·7	78·6	77·6	75·9	78·1		69·6
8	68·1	59·7	72·5	78·1	78·8	76·3	78·4		75·7	78·1	71·6	68·2
9	64·7	63·2	71·6	78·1	78·3	75·5	79·1	77·1	75·4	75·8	71·0	67·1
10	64·6	63·5	70·9	76·6		74·7	78·2	76·7	75·6		68·4	66·6
11		67·4	69·0	74·7	77·0	76·0		77·5	75·9	77·6	68·0	68·4
12	67·7	65·8	72·7		77·3	77·2	78·5	77·2		77·7	66·3	
13	68·6	62·2	72·0	74·9	78·4		77·7	77·0	76·3	77·1	67·2	66·0
14	68·6		70·6	75·2	78·7	78·3	78·6	77·1	77·8	78·4		67·0
15	71·3	64·1		74·5	71·9	78·2	78·0		77·3	78·5	63·8	68·4
16	69·3	64·3	70·7	75·2		77·2	78·4	76·7	77·2	78·8	63·0	67·4
17		63·8	73·9	74·1	78·2	77·0	73·4	77·0	76·9		63·2	68·5
18	62·3	66·9	73·2		78·8	77·9		77·0	77·1	78·0	65·3	65·4
19	61·8	65·7	70·4	76·1	79·0	78·3	78·4	76·5		76·5	67·7	
20	59·6	62·2	69·0	76·5	78·3		77·7	76·7	75·1	73·6	69·3	66·6
21	58·0			73·5	79·1	77·6	78·3	76·4	74·4	67·5		65·2
22	59·0	70·5	69·9	76·5	81·3	77·9	78·3		74·1	70·5	68·4	69·4
23	67·6	69·6	72·3	77·8		78·8	77·8		74·3	71·6	72·6	65·8
24		68·1	75·8	74·4		77·4	78·1	76·1	74·6		75·5	62·6
25	68·0	69·0	77·0		78·4	77·4		76·5	75·4	69·3	73·9	
26	62·0		78·2	75·3	78·0	78·7	77·7	76·9		69·9	74·2	
27	57·3	67·9	75·7	78·5	77·9		77·7	77·1	74·8	70·7	73·3	66·3
28	62·0	64·9		78·3	77·7	78·1	77·6	77·4	75·8	70·2	68·3	66·8
29	67·5		72·8	79·2	78·6	77·9	77·0	75·0	76·6	70·8		66·8
30	71·9		73·6	78·5	78·2	78·1	77·7		75·8	69·3	69·7	66·3
31			73·5				77·5	75·8				65·9

TABLE LI.—*Showing, for each Month, the Mean Temperature of Dew-Point; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Temperature of Dew Point.	Difference from the Mean of the last Twelve Years.	FOR SEASONS.	
January	65°1	0°4		
February	66·4	1·3		
March	71·7	1·3	Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	69°1
April	75·5	1·6		
May	78·9	2·4	Mean of {April, May, June, July, Aug. Sept.} or Summer	77·1
June	77·4	− 0·4		
July	78·1	0·9	Mean of the year	73·1
August	76·9	0·9		
September	75·8	0·5	Greatest monthly mean, in May	78·9
October	74·9	− 0·1	Least monthly mean, in January	65·1
November	68·9	− 0·4		
December	67·4	− 1·9	Difference	13·8

TABLE LII.—*Mean Temperature of (Deduced) Dew-Point, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	64°9	66°6	71°7	76°0	78°6	77°2	78°0	76°6	75°9	75°4	69°2	66°8
1 A. M.	64·6	65·4	72·4	75·9	78·2	77·0	78·1	76·7	75·2	74·8	68·8	67·0
2 „	64·3	65·9	72·0	75·5	77·6	77·2	77·5	76·4	75·0	74·6	69·0	66·8
3 „	63.3	65·3	71·6	75·2	78·0	77·2	77·7	76·4	74·9	74·6	68·7	66·6
4 „	63·2	65·2	70·9	75·1	77·7	76·8	77·6	76·3	74·8	73·8	67·8	66·2
5 „	63·2	64·0	71·5	75·1	77·7	76·7	77·5	76·1	75·1	73·8	67·3	66·5
6 „	62·5	64·4	70·7	74·1	78·3	77·1	77·4	76·1	75·2	73·7	66·9	65·6
7 „	62·8	63·8	71·3	74·2	78·8	77·3	77·8	76·8	76·2	74·5	66·5	66·3
8 „	63·7	63·7	71·2	74·3	78·8	77·9	78·3	76·8	76·9	74·4	67·4	66·9
9 „	63·1	63·8	70·2	74·8	79·0	78·0	78·7	77·6	76·8	74·6	66·5	65·7
10 „	63·2	64·4	71·3	75·2	79·3	78·2	79·0	77·7	76·9	74·7	67·3	66·9
11 „	64·0	65·4	72·3	76·6	79·6	78·4	79·0	78·4	77·2	74·4	66·6	67·3
Noon.	64·4	66·9	73·0	77·1	79·6	78·0	79·2	78·7	77·3	74·1	67·3	66·6
1 P. M.	65·2	67·6	72·9	76·7	79·7	77·7	79·4	78·2	77·0	75·1	68·3	67·1
2 „	66·6	68·9	72·9	76·5	79·6	77·8	79·5	78·2	76·7	75·1	68·5	67·1
3 „	68·0	69·8	72·3	76·4	79·5	77·7	79·7	78·1	76·2	76·0	70·4	67·8
4 „	68·9	70·0	72·3	76·1	79·6	77·6	78·4	77·5	75·9	75·8	71·6	68·5
5 „	69·0	69·7	72·0	76·5	79·4	77·6	78·1	77·1	75·6	75·8	72·2	69·3
6 „	68·4	68·4	71·5	76·5	79·3	77·1	78·2	76·3	75·5	75·6	72·3	69·5
7 „	68·1	67·3	71·3	76·0	79·2	77·1	77·8	76·5	75·6	75·8	72·2	69·7
8 „	67·4	67·3	71·6	75·9	79·3	76·7	77·6	76·6	75·7	76·0	72·8	69·6
9 „	66·7	66·8	71·8	75·7	79·2	77·0	77·7	76·3	75·7	76·1	71·0	68·5
10 „	66·2	65·9	71·3	75·4	78·5	77·1	77·8	76·6	75·5	75·4	68·8	68·0
11 „	64·9	66·1	71·8	75·8	79·1	77·1	77·8	76·5	75·4	75·3	69·3	66·4

TABLE LIII.—*Excess of the Mean Hourly Temperature of Deduced Dew-Point above its Mean Monthly Temperature.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 0°4	0°2	0°0	0°3	− 0°3	− 0·2	− 0°2	− 0°4	0°0	0°5	0°2	− 0°6
1 A. M.	− 0·7	− 1·0	0·7	0·2	− 0·7	− 0·4	− 0·1	− 0·3	− 0·7	− 0·1	− 0·2	− 0·4
2 „	− 1·0	− 0·5	0·3	− 0·2	− 1·3	− 0·2	− 0·7	− 0·6	− 0·9	− 0·3	0·0	− 0·6
3 „	− 2·0	− 1·1	− 0·1	− 0·5	− 0·9	− 0·2	− 0·5	− 0·6	− 1·0	− 0·3	− 0·3	− 0·8
4 „	− 2·1	− 1·2	− 0·8	− 0·6	− 1·2	− 0·6	− 0·6	− 0·7	− 1·1	− 1·1	− 1·2	− 1·2
5 „	− 2·1	− 2·4	− 0·2	− 0·6	− 1·2	− 0·7	− 0·7	− 0·9	− 0·8	− 1·1	− 1·7	− 0·9
6 „	− 2·8	− 2·0	− 1·0	− 1·6	− 0·6	− 0·3	− 0·8	− 0·9	− 0·7	− 1·2	− 2·1	− 1·8
7 „	− 2·5	− 2·6	− 0·4	− 1·5	− 0·1	− 0·1	− 0·4	− 0·2	0·3	− 0·4	− 2·5	− 1·1
8 „	− 1·6	− 2·7	− 0·5	− 1·4	− 0·1	0·5	0·1	− 0·2	1·0	− 0·5	− 1·6	− 0·5
9 „	− 2·2	− 2·6	− 1·5	− 0·9	0·1	0·6	0·5	0·6	0·9	− 0·3	− 2·5	− 0·7
10 „	− 2·1	− 2·0	− 0·4	− 0·5	0·4	0·8	0·8	0·7	1·0	− 0·2	− 1·7	− 0·5
11 „	− 1·3	− 1·0	0·6	− 0·1	0·7	1·0	0·8	1·4	1·3	− 0·5	− 2·4	− 0·1
Noon.	− 0·9	0·5	1·3	1·4	0·7	0·6	1·0	1·7	1·4	− 0·8	− 1·7	− 0·8
1 P. M.	− 0·1	1·2	1·2	1·0	0·8	0·3	1·2	1·2	1·1	0·2	− 0·7	− 0·3
2 „	1·3	2·5	1·2	0·8	0·7	0·4	1·3	1·2	0·8	0·2	− 0·5	− 0·3
3 „	2·7	3·4	0·6	0·7	0·6	0·3	1·5	1·1	0·3	1·1	1·4	0·4
4 „	3·6	3·6	0·6	0·4	0·7	0·2	0·2	0·5	0·0	0·9	2·6	1·1
5 „	3·7	3·3	0 3	0·8	0·5	0·2	− 1·1	0·1	− 0·3	0·9	3·2	1·9
6 „	3·1	2·0	− 0·2	0·8	0·4	− 0·3	− 1·0	− 0·7	− 0·4	0·7	3·3	2·1
7 „	2·8	1·4	− 0·4	0·3	0·3	− 0·3	− 0·4	− 0·5	− 0·3	0·9	3·2	2·3
8 „	2·1	0·9	− 0·1	0·2	0·4	− 0·7	− 0·6	− 0·4	− 0·2	1·1	3·8	2·2
9 „	1·4	0·4	0·1	0·0	0·3	− 0·4	− 0·5	− 0·7	− 0·2	1·2	2·0	1·1
10 „	0·9	− 0·5	− 0·4	− 0·3	0·4	− 0·3	− 0·4	− 0·4	− 0·4	0·5	− 0·2	0·6
11 „	0·4	− 0·3	0·1	0·1	0·2	− 0·3	− 0·4	− 0·5	− 0·5	0·4	0·3	− 1·0

TABLE LIV.—*Showing, for the Year* 1858, *the Mean Temperature of Deduced Dew-Point, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Temperature of Deduced Dew-Point.	Difference from the Mean of the Whole.
Midnight.	73°4	− 0°1
1 A. M.	73·2	− 0·3
2 „	73·0	− 0·5
3 „	72·9	− 0·6
4 „	72·6	− 0·9
5 „	72·5	− 1·0
6 „	72·3	− 1·2
7 „	72·7	− 0·8
8 „	73·0	− 0·5
9 „	73·0	− 0·5
10 „	73·4	− 0·1
11 „	73·7	0·2
Noon.	73·9	0·4
1 P. M.	74·1	0·6
2 „	74·3	0·8
3 „	74·6	1·1
4 „	74·6	1·1
5 „	74·6	1·1
6 „	74·3	0·8
7 „	74·2	0·7
8 „	74·1	0·6
9 „	73·8	0·3
10 „	73·4	− 0·1
11 „	73·3	− 0·2

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M. } or Night.... 73°4

Mean of { 6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M. } or Day..... 73·7

Mean..... 73·5

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum at about 4 P. M.

TABLE LV.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time at which the Mean Temperature of Dew-Point, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Temperature of Dew-Point.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Dew-Point was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
January	69°0	62°5	6°5	5 P. M.	6 A. M.
February.....	70·0	63·7	6·3	4 „	8 „
March.....	73·0	70·2	2·8	Noon.	9 „
April	77·1	74·1	3·0	Noon.	6 „
May.....	79·7	77·6	2·1	1 P. M.	2 „
June.....	78·4	76·7	1·7	11 A. M.	5 „
July.....	79·5	77·4	2·1	2 P. M.	6 „
August.....	78·7	76·1	2·6	Noon.	6 „
September	77·3	74·8	2·5	Noon.	4 „
October	76·1	73·7	2·4	9 P. M.	6 „
November	72·8	66·5	6·3	8 „	7 „
December	69·7	65·6	4·1	7 „	6 „

TABLE LVI.—*Daily Range of the Temperature of Dew-Point, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	20°1	11°8		3°3	6°3	4°3	5°6		7°4	3°1		4°3
2	13·5	12·9	5°1			4·0	4·7	4°8	4·9	3·4		5·6
3		9·7	8·6	3·9	3·2	4·8	3·3	4·9	4·7		15°1	5·7
4	7·6	8·7	4·2		3·6	4·6		5·9	2·6	4·1	10·9	5·9
5	7·8	3·4	6·9	6·2	2·6	2·3	4·7	4·4		6·0	9·9	
6	10·0	2·7	4·7	10·3	2·2		3·7	3·2	3·7	6·8		4·7
7	8·7			9·4	3·5	5·4	3·3	3·8	2·4	5·7		4·5
8	6·0	17·6	2·6	6·2	2·0	3·8	4·8		5·0	5·9	10·6	4·8
9	6·7	15·1	2·2	2·9	2·2	2·3	3·7	3·8	4·7	7·2	9·9	7·5
10	13·1	15·9	4·5	2·8		3·3	4·2	3·8	2·9		13·6	10·8
11		10·7	7·8	2·5	2·4	2·9		2·6	3·9	4·9	17·9	14·3
12	16·3	6·2	2·6		2·7	3·5	4·2	3·2		3·6	14·5	
13	11·7	17·6	11·1	1·3	2·0		4·3	3·2	1·5	7·7	12·2	15·4
14	17·1		8·5	1·7	2·2	2·6	3·3	3·4	5·5	3·1		8·1
15	9·8	17·3		2·1	5·1	2·9	2·8		2·9	2·5	13·9	4·8
16	12·6	19·6	15·5	2·7		3·2	3·4	3·8	3·1	4·0	13·8	6·1
17		17·1	3·6	4·9	4·4	2·7	5·2	3·9	4·1		15·6	5·2
18	7·9	4·9	4·3		4·5	3·0		4·7	3·2	5·3	12·2	7·2
19	12·7	8·7	10·4	6·0	4·5	3·8	4·4	4·1		4·1	13·4	
20	17·6	11·7	14·1	5·0	3·4		4·9	5·3	3·7	8·0	10·5	12·5
21	15·5			8·6	6·0	3·8	4·0	5·5	4·9	11·9		7·8
22	17·3	11·3	15·4	10·7	4·1	4·6	6·8		3·8	4·1	10·1	9·5
23	4·4	12·5	8·9	9·2		4·7	3·5		4·2	10·2	10·9	9·7
24		8·5	4·8	10·0		4·2	5·2	6·7	5·2		8·4	14·2
25	7·0	6·8	3·8		6·3	4·6		5·0	2·9	8·5	4·8	
26	6·6		5·5	11·2	3·7	3·6	4·1	3·7		6·7	8·3	
27	13·0	7·5	3·7	2·8	3·0		3·2	3·7	4·0	7·5	4·9	7·2
28	15·0	4·3		4·1	3·8	4·1	2·9	4·5	3·5	4·7	15·4	8·1
29	13·7		4·5	11·6	2·4	4·6	3·0	4·6	5·2	7·8		7·4
30	9·8		3·1	10·9	3·5	5·0	3·6		6·1	12·2	4·6	8·7
31			2·6				4·0	1·7				9·7

TABLE LVII.—*Showing, for each Month, the Mean Range of the Temperature of Dew-Point; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Monthly Range of the Temperature of Dew-Point.	Difference from the Mean of the Year.	FOR SEASONS.
January	11°6	5°0	
February	10·9	4·3	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter .. 9°1
March	6·5	− 0·1	
April	6·0	− 0·6	
May	3·5	− 3·1	Mean of { April, May, June, July, Aug. Sept. } or Summer .. 4·2
June	3·4	− 3·2	
July	4·1	− 2·5	Mean of the year ..... 6·9
August	4·3	− 2·3	
September	4·1	− 2·5	Greatest monthly mean, in January ..... 11·6
October	6·1	− 0·5	Least monthly mean, in June ..... 3·4
November	11·4	4·8	
December.....	7·9	1·3	Difference..... 8·2

TABLE LVIII.—*Showing the Greatest and Least Temperature of Dew-Point, in Simple Hourly Observations during the Year* 1858.

Months, 1858.	Greatest Temperature of Dew-Point.				Least Temperature of Dew-Point.			
	Day and Hour.	Greatest Temperature of Dew-Point.	Normal Mean.	Difference.	Day and Hour.	Least Temperature of Dew-Point.	Normal Mean.	Difference.
	D. H.				D. H.			
January.....	14 3 P. M.	76°9	68°0	8°9	21 11 P. M.	48°2	65°1	− 16°9
February	2 3 „	76·9	69·0	7·9	8 5 A. M.	50·8	63·8	− 13·0
March	26 Noon.	80·5	74·5	6·0	16 6 „	60·4	70·6	− 10·2
April.....	30 2 P. M.	84·1	78·0	6·1	6 7 „	60·2	73·6	− 13·4
May	1 11 A. M.	83·0	78·1	4·9	25 5 „	75·0	77·4	− 2·4
June.....	2 11 „	81·4	79·0	2·4	7 7 „	71·7	77·7	− 6·0
July	2 2 P. M.	82·0	78·8	3·2	20 5 P. M.	74·4	77·9	− 3·5
August	4 2 „	81·6	78·7	2·9	24 4 A. M.	71·7	75·9	− 4·2
September.....	14 2 „	80·2	76·7	3·5	21 3 „	72·5	74·8	− 2·3
October.....	4 Noon.	81·9	75·8	6·1	22 Noon.	61·6	73·8	− 12·2
November.....	26 3 P. M.	79·7	69·5	10·2	11 2 P. M.	54·7	69·4	− 14·7
December.....	11 7 „	75·3	70·0	5·3	24 6 A. M.	53·9	64·5	− 10·6

TABLE LIX.—*Mean Pressure of Moisture, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	0·568	0·674		0·821	1·014	0·986	0·977		0·924	0·871		0·745
2	·598	·741	0·636			·969	·967	0·927	·863	·899		·738
3		·775	·620	·779	0·957	·940	·972	·929	·888		0·696	·713
4	·677	·740	·691		·999	·899		·938	·863	1·009	·686	·746
5	·669	·705	·715	·851	1·012	·888	·966	·933		0·965	·680	
6	·625	·627	·718	·769	·025		·955	·917	·885	·938		·746
7	·648			·804	·039	·847	·958	·928	·879	·946		·717
8	·683	·518	·788	·943	0·963	·888	·952		·872	·945	·765	·686
9	·611	·583	·766	·943	·950	·869	·973	·913	·864	·877	·753	·660
10	·604	·588	·749	·900		·845	·947	·904	·871		·692	·650
11		·669	·704	·845	·912	·883		·927	·879	·930	·682	·671
12	·675	·633	·790		·920	·915	·955	·917		·931	·647	
13	·696	·563	·776	·852	·952		·930	·910	·896	·916	·664	·638
14	·695		·741	·859	·961	·949	·959	·916	·935	·953		·660
15	·758	·600		·841	·973	·945	·939		·922	·954	·596	·691
16	·711	·604	·744	·860		·917	·933	·902	·915	·963	·579	·669
17		·594	·824	·829	·947	·911	·952	·910	·907		·584	·692
18	·566	·658	·807		·963	·938		·911	·912	·942	·622	·628
19	·556	·633	·734	·885	·970	·948	·952	·896		·895	·675	
20	·516	·563	·705	·897	·949		·931	·897	·857	·816	·712	·647
21	·489			·817	·976	·928	·951	·892	·838	·672		·921
22	·507	·739	·727	·899	1·044	·937	·952		·831	·743	·692	·646
23	·673	·717	·783	·935		·963	·933		·836	·765	·794	·635
24		·684	·875	·840		·922	·948	·886	·844		·868	·571
25	·681	·704	·910		0·954	·923		·896	·865	·712	·824	
26	·559		·944	·867	·940	·960	·931	·908		·726	·833	
27	·479	·679	·873	·957	·936		·930	·914	·851	·744	·809	·645
28	·560	·616		·949	·934	·943	·926	·922	·876	·732	·689	·656
29	·671		·793	·978	·960	·938	·910	·887	·899	·744		·655
30	·773		·816	·956	·947	·943	·933		·875	·711	·721	·645
31			·815				·925	·877				·636

TABLE LX.—*Showing, for each Month, the Mean Pressure of Moisture; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Pressure of Moisture.	Difference from the Mean of the last Twelve Years.
	in.	in.
January	0·625	0·014
February	·650	·030
March	·769	·032
April	·875	·050
May	·968	·071
June	·923	− ·010
July	·947	·031
August	·911	·028
September	·880	·017
October	·858	·003
November	·707	− ·003
December	·669	·041

FOR SEASONS.

	in.
Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	0·713
Mean of {April, May, June, July, Aug. Sept.} or Summer	0·917
Mean of the year	0·815
Greatest monthly mean, in May	0·968
Least monthly mean, in January	0·625
Difference	0·343

TABLE LXI.—*Mean Pressure of Moisture, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·615	0·652	0·768	0·881	0·959	0·917	0·941	0·899	0·870	0·865	0·708	0·655
1 A. M.	·610	·626	·785	·880	·947	·911	·942	·901	·859	·849	·699	·660
2 ,,	·604	·636	·775	·867	·927	·915	·926	·893	·853	·843	·705	·655
3 ,,	·588	·624	·765	·862	·941	·915	·930	·893	·851	·842	·697	·651
4 ,,	·583	·622	·749	·857	·934	·906	·929	·890	·849	·823	·678	·643
5 ,,	·583	·597	·764	·856	·935	·903	·925	·886	·861	·822	·667	·648
6 ,,	·568	·606	·744	·829	·948	·914	·921	·884	·862	·819	·657	·630
7 ,,	·574	·593	·758	·832	·963	·919	·933	·904	·888	·840	·648	·644
8 ,,	·592	·591	·756	·836	·964	·936	·950	·905	·909	·838	·668	·657
9 ,,	·581	·593	·733	·849	·971	·937	·962	·929	·906	·844	·649	·653
10 ,,	·582	·606	·759	·861	·978	·946	·971	·932	·909	·846	·667	·658
11 ,,	·598	·626	·784	·898	·990	·953	·971	·951	·916	·837	·652	·667
Noon.	·606	·657	·799	·912	·988	·941	·975	·961	·918	·830	·666	·651
1 P. M.	·622	·672	·797	·903	·992	·930	·981	·945	·910	·856	·688	·662
2 ,,	·651	·698	·798	·895	·988	·935	·987	·947	·901	·856	·692	·662
3 ,,	·631	·722	·784	·894	·987	·932	·974	·944	·888	·881	·737	·677
4 ,,	·702	·727	·783	·884	·990	·929	·953	·925	·880	·877	·765	·692
5 ,,	·705	·721	·775	·895	·982	·929	·943	·913	·872	·875	·781	·711
6 ,,	·690	·690	·764	·897	·978	·914	·945	·889	·868	·872	·783	·715
7 ,,	·683	·676	·759	·883	·976	·913	·934	·897	·871	·876	·781	·720
8 ,,	·669	·666	·766	·880	·980	·903	·928	·898	·873	·882	·794	·718
9 ,,	·654	·655	·770	·873	·977	·911	·930	·891	·873	·886	·752	·693
10 ,,	·643	·637	·758	·865	·956	·914	·934	·900	·869	·865	·699	·681
11 ,,	·615	·640	·770	·875	·972	·913	·934	·897	·866	·862	·712	·647

TABLE LXII.—*Excess of the Mean Hourly Pressure of Moisture above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	−0·010	0·002	−0·001	0·006	−0·000	0·005	0·006	−0·012	−0·010	0·009	0·002	− 0·014
1 A. M.	− ·015	− ·024	·016	·005	− ·021	− ·011	− ·005	− ·010	− ·021	− ·007	− ·007	− ·009
2 ,,	− ·021	− ·014	·006	− ·008	− ·041	− ·007	− ·021	− ·018	− ·027	− ·013	− ·001	− ·014
3 ,,	− ·037	− ·026	− ·004	− ·013	− ·027	− ·007	− ·017	− ·018	− ·029	− ·014	− ·010	− ·018
4 ,,	− ·042	− ·028	− ·020	− ·018	− ·034	− ·016	− ·018	− ·021	− ·031	− ·033	− ·028	− ·026
5 ,,	− ·042	− ·053	− ·005	− ·019	− ·033	− ·019	− ·022	− ·025	− ·019	− ·034	− ·039	− ·021
6 ,,	− ·057	− ·044	− ·025	− ·046	− ·020	− ·008	− ·026	− ·027	− ·018	− ·037	− ·049	− ·039
7 ,,	− ·051	− ·057	− ·011	− ·043	− ·005	− ·003	− ·014	− ·007	·008	− ·016	− ·058	− ·025
8 ,,	− ·033	− ·059	− ·013	− ·039	− ·004	·014	·003	− ·006	·029	− ·018	− ·038	− ·012
9 ,,	− ·044	− ·057	− ·036	− ·026	·003	·017	·015	·018	·026	− ·012	− ·057	− ·016
10 ,,	− ·043	− ·044	− ·010	− ·014	·010	·024	·024	·021	·029	− ·010	− ·039	− ·011
11 ,,	− ·025	− ·024	·015	·023	·022	·031	·024	·040	·036	− ·019	− ·054	− ·002
Noon.	− ·019	·007	·030	·037	·020	·019	·028	·050	·038	− ·026	− ·040	− ·018
1 P. M.	− ·003	·022	·028	·028	·024	·008	·034	·034	·030	·000	− ·018	− ·007
2 ,,	·026	·048	·029	·020	·020	·013	·040	·036	·021	·000	− ·014	− ·007
3 ,,	·056	·072	·015	·019	·019	·010	·027	·033	·008	·025	·031	·008
4 ,,	·077	·077	·014	·009	·022	·007	·006	·014	·000	·021	·059	·023
5 ,,	·080	·071	·006	·020	·014	·007	− ·004	·002	− ·008	·019	·075	·042
6 ,,	·065	·040	− ·005	·022	·010	− ·008	− ·002	− ·022	− ·012	·016	·077	·046
7 ,,	·058	·026	− ·010	·008	·008	− ·009	− ·013	− ·014	− ·009	·020	·075	·051
8 ,,	·044	·016	− ·003	·005	·012	− ·019	− ·019	− ·013	− ·007	·026	·088	·049
9 ,,	·029	·005	·001	− ·002	·009	− ·011	− ·017	− ·020	− ·007	·030	·046	·024
10 ,,	·018	·013	− ·011	− ·010	− ·012	− ·008	− ·013	− ·011	− ·011	·009	− ·007	·012
11 ,,	− ·010	− ·010	·001	·000	·004	− ·009	− ·013	− ·014	− ·014	·006	·006	− ·022

TABLE LXIII.—*Showing, for the Year* 1858, *the Mean Pressure of Moisture, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Pressure of Moisture	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·811	−0·003
1 A. M.	·806	− ·008
2 „	·800	− ·014
3 „	·797	− ·017
4 „	·789	− ·025
5 „	·787	− ·027
6 „	·782	− ·032
7 „	·791	− ·023
8 „	·800	− ·014
9 „	·804	− ·013
10 „	·810	− ·004
11 „	·820	·006
Noon.	·825	·011
1 P. M.	·830	·016
2 „	·834	·018
3 „	·842	·028
4 „	·842	·028
5 „	·842	·028
6 „	·834	·020
7 „	·831	·017
8 „	·830	·016
9 „	·822	·008
10 „	·810	− ·004
11 „	·808	− ·006

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night	0·810
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day	0·818
Mean....	0·814

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at about 6 A. M.
A maximum at about 4 P. M.

TABLE LXIV.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time at which the Mean Pressure of Moisture, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Pressure of Moisture.		Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Moisture was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·750	0·568	0·137	5 P. M.	6 A. M.
February.....	·727	·591	·136	4 „	8 „
March	·799	·733	·064	Noon.	9 „
April	·912	·829	·083	Noon.	6 „
May.....	·992	·927	·065	1 P. M.	2 „
June.....	·953	·903	·050	11 A. M.	5 „
July.....	·987	·921	·066	2 P. M.	6 „
August.....	·961	·884	·077	Noon.	6 „
September	·918	·849	·069	Noon.	4 „
October	·886	·819	·067	9 P. M.	6 „
November	·794	·648	·146	8 „	7 „
December.....	·720	·630	·090	7 „	6 „

TABLE LXV.—*Mean Humidity of Air (Complete Saturation being = 1·00) for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	0·68	0·75		0·79	0·79	0·93	0·88		0·91	0·83		0·82
2	·72	·81	0·75			·93	·87	0·98	·81	·86		·84
3		·84	·73	·73	·80	·86	·85	·95	·85		0·69	·83
4	·83	·84	·78		·84	·76		·98	·83	·90	·70	·85
5	·84	·88	·80	·76	·83	·73	·84	·94		·89	·70	
6	·79	·80	·80	·67	·83		·85	·92	·82	·87		·83
7	·84			·67	·84	·83	·93	·92	·80	·87		·80
8	·86	·67	·83	·82	·78	·77	·96		·84	·85	·76	·80
9	·78	·71	·79	·84	·76	·73	·96	·88	·80	·77	·76	·77
10	·76	·71	·78	·80		·72	·95	·92	·87		·70	·71
11		·80	·76	·76	·74	·73		·91	1·00	·92	·71	·72
12	·74	·79	·82		·74	·76	·91	·88		·89	·68	
13	·75	·68	·75	·77	·77		·98	·88	0·98	·85	·71	·70
14	·74		·69	·78	·77	·77	·95	·88	·95	·94		·74
15	·80	·70		·78	·81	·76	·97		·92	·93	·68	·80
16	·82	·71	·70	·77		·73	·97	·86	·89	·92	·60	·78
17		·68	·81	·74	·80	·73	·93	·87	·87		·62	·82
18	·69	·77	·84		·82	·74		·90	·92	·92	·68	·77
19	·71	·76	·71	·77	·81	·80	·89	·87		·84	·72	
20	·68	·67	·65	·77	·82		·88	·87	·85	·75	·77	·78
21	·67			·67	·80	·85	·90	·86	·84	·64		·74
22	·70	·81	·67	·71	·91	·89	·91		·83	·73	·72	·75
23	·87	·77	·72	·76		·86	·88		·85	·74	·81	·73
24		·73	·83	·66		·95	·89	·90	·83		·89	·67
25	·86	·80	·85		·89	·97		·90	·86	·73	·82	
26	·75		·88	·72	·77	·92	·92	·89		·75	·80	
27	·68	·77	·83	·83	·76		·95	·90	·86	·77	·79	·73
28	·76	·73		·83	·77	·89	·93	·87	·87	·75	·71	·76
29	·83		·79	·80	·78	·86	·90	·84	·87	·74		·79
30	·89		·79	·77	·83	·93	·92		·85	·70	·80	·79
31			·79				·90	·88				·75

TABLE LXVI.—*Showing, for each Month, the Mean Humidity of Air; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Humidity of Air.	Difference from the Mean of the last Twelve Years.
January	0°77	0°03
February	·76	·06
March	·78	·04
April	·76	·01
May	·80	·05
June	·82	– ·03
July	·91	·03
August	·90	·03
September	·87	·01
October	·82	·01
November	·73	·01
December.....	·77	·06

FOR SEASONS.

Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	0°77
Mean of {April, May, June, July, Aug. Sept.} or Summer	0·84
Mean of the year	0·81
Greatest monthly mean, in July	0·91
Least monthly mean, in November	0·73
Difference	0·18

TABLE LXVII.—*Mean Humidity of Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0·87	0·84	0·84	0·85	0·86	0·87	0·95	0·92	0·91	0·91	0·82	0·84
1 A. M.	·86	·83	·87	·86	·86	·87	·95	·93	·91	·90	·82	·85
2 „	·86	·85	·87	·85	·86	·88	·95	·94	·91	·90	·83	·86
3 „	·85	·85	·87	·86	·87	·88	·95	·94	·91	·91	·82	·86
4 „	·85	·85	·86	·86	·87	·88	·95	·94	·92	·89	·81	·88
5 „	·87	·84	·89	·87	·87	·89	·95	·93	·93	·91	·81	·88
6 „	·86	·86	·88	·84	·87	·89	·94	·93	·94	·91	·80	·86
7 „	·86	·83	·86	·79	·84	·86	·93	·93	·93	·89	·76	·86
8 „	·81	·75	·80	·73	·80	·84	·91	·92	·89	·84	·73	·81
9 „	·72	·68	·72	·70	·76	·80	·91	·89	·86	·80	·67	·75
10 „	·68	·65	·70	·67	·73	·79	·89	·87	·83	·76	·64	·72
11 „	·65	·63	·69	·68	·71	·76	·86	·85	·82	·73	·59	·69
Noon.	·63	·63	·68	·67	·69	·74	·86	·85	·80	·70	·56	·64
1 P. M.	·61	·63	·67	·65	·68	·73	·85	·85	·79	·69	·57	·62
2 „	·62	·65	·67	·65	·68	·73	·86	·84	·77	·69	·56	·62
3 „	·66	·67	·66	·65	·69	·74	·86	·85	·78	·70	·60	·64
4 „	·69	·69	·66	·66	·71	·75	·87	·85	·79	·71	·64	·67
5 „	·76	·71	·69	·71	·76	·77	·88	·87	·82	·76	·72	·74
6 „	·80	·76	·75	·77	·80	·80	·90	·88	·85	·81	·77	·78
7 „	·82	·77	·77	·79	·83	·83	·91	·90	·88	·83	·79	·81
8 „	·83	·79	·79	·80	·86	·83	·91	·91	·89	·85	·80	·82
9 „	·83	·79	·80	·81	·86	·84	·93	·91	·90	·88	·81	·82
10 „	·85	·80	·81	·81	·85	·81	·93	·92	·91	·88	·79	·84
11 „	·84	·82	·82	·82	·87	·82	·95	·92	·91	·89	·83	·82

TABLE LXVIII.—*Excess of the Mean Hourly Humidity of Air above the Mean for each Month.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight	0·10	0·08	0·06	0·09	0·06	0·05	0·04	0·02	0·04	0·09	0·09	0·06
1 A. M.	·09	·07	·09	·10	·06	·05	·04	·03	·04	·08	·09	·07
2 „	·09	·09	·09	·09	·06	·06	·04	·04	·04	·08	·10	·08
3 „	·08	·09	·09	·10	·07	·06	·04	·04	·04	·09	·09	·08
4 „	·08	·09	·08	·10	·07	·06	·04	·04	·05	·07	·08	·10
5 „	·10	·08	·11	·11	·07	·07	·04	·03	·06	·09	·08	·10
6 „	·09	·10	·10	·08	·07	·07	·03	·03	·07	·09	·07	·08
7 „	·09	·07	·08	·03	·04	·04	·02	·03	·06	·07	·03	·08
7 „	·04	- ·01	·02	- ·03	·00	·02	·00	·02	·02	·02	·00	·03
9 „	- ·05	- ·08	- ·06	- ·06	- ·04	- ·02	·00	- ·01	- ·01	- ·02	- ·06	- ·03
10 „	- ·09	- ·11	- 08	- ·09	- ·07	- ·03	- ·02	- ·03	- 04	- ·06	- ·09	- ·06
11 „	- ·12	- ·13	- ·09	- ·08	- ·09	- ·05	- ·05	- ·05	- ·05	- ·09	- ·14	- ·09
Noon.	- ·14	- ·13	- ·10	- ·09	- ·11	- ·08	- ·05	- ·05	- ·07	- ·12	- ·17	- ·14
1 P. M.	- ·16	- ·13	- ·11	- ·11	- ·12	- ·09	- ·06	- ·05	- ·08	- ·13	- ·16	- ·16
2 „	- ·15	- ·11	- ·11	- ·11	- ·12	- ·09	- ·05	- ·06	- ·10	- ·13	- ·17	- ·16
3 „	- ·11	- ·09	- ·12	- ·11	- ·11	- ·08	- ·05	- ·05	- ·09	- ·12	- ·13	- ·14
4 „	- ·08	- ·07	- ·12	- ·10	- ·09	- ·07	- ·04	- ·05	- ·08	- ·11	- ·09	- ·11
5 „	- ·01	- ·05	- ·09	- ·05	- ·04	- ·05	- ·03	- ·03	- ·05	- ·06	- ·01	- ·04
6 „	·03	·00	- ·03	·01	·00	- ·02	- ·01	- ·02	- ·02	- ·01	- ·04	·00
7 „	·05	·01	- ·01	·03	·03	·01	·00	·00	·01	·01	·06	·03
8 „	·06	·03	·01	·04	·06	·01	·00	·01	·02	·03	·07	·04
9 „	·06	·03	·02	·05	·06	·02	·02	·01	·03	·06	·08	·04
10 „	·08	·04	·03	·05	·05	- ·01	·02	·02	·04	·06	·06	·06
11 „	·07	·06	·04	·06	·07	·00	·04	·02	·04	·07	·10	·04

TABLE LXIX.—*Showing, for the Year* 1858, *the Mean Humidity of Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Humidity of Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	0°87	0°06	
1 A. M.	·88	·07	
2 „	·88	·07	Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night .. 0°86
3 „	·88	·07	
4 „	·88	·07	
5 „	·89	·08	
6 „	·88	·07	Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1 2, 3, 4, 5, P. M.} or Day.... 0·76
7 „	·86	·05	
8 „	·82	·01	
9 „	·77	− ·04	Mean..... 0·81
10 „	·74	− ·07	
11 „	·72	− ·09	
Noon.	·70	− ·11	
1 P. M.	·69	− ·12	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	·69	− ·12	
3 „	·71	− ·10	
4 „	·72	− ·09	A maximum at 5 A. M.
5 „	·77	− ·04	A minimum between 1 & 2 P. M.
6 „	·81	·00	
7 „	·83	·02	
8 „	·84	·03	
9 „	·85	·04	
10 „	·85	·04	
11 „	·86	·05	

TABLE LXX.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Humidity of Atmospheric Air, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Humidity of Atmospheric Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Humidity of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	0°87	0°61	0°26	5 A. M.	1 P.M.
February	·86	·63	·23	6 „	1 „
March..	·89	·66	·23	5 „	3 „
April	·87	·65	·22	5 „	3 „
May	·87	·68	·19	5 „	2 „
June	·89	·73	·16	6 „	2 „
July	·95	·85	·10	5 „	1 „
August	·94	·84	·10	4 „	2 „
September	·94	·77	·17	6 „	2 „
October	·91	·69	·22	6 „	2 „
November	·83	·56	·27	2 „	2 „
December	·88	·62	·26	6 „	2 „

TABLE LXXI.—*Mean Pressure of supposed Dry Air, as obtained from the Mean Height of Barometer, corrected for Moisture; for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	29·444	29·328		29·030	28·723	28·807	28·747		28·814	28·961		29·213
2	·379	·228	29·222			·791	·746	28·786	·924	·915		·193
3		·220	·254	·024	·748	·780	·717	·756	·895		29·247	·234
4	·284	·219	·171		·724	·820		·752	·908	·826	·263	·187
5	·258	·181	·150	28·929	·728	·856	·709	·747		·871	·288	
6	·284	·298	·171	29·005	·733		·689	·748	·892	·862		·190
7	·273			28·920	·650	·867	·656	·747	·922	·818		·238
8	·225	·466	·093	·822	·713	·842	·625		·920	·809	·135	·244
9	·265	·353	·107	·864	·769	·885	·573	·760	·900	·856	·142	·240
10	·285	·356	·117	·919		·911	·648	·734	·886		·225	·281
11		·291	·190	·965	·823	·865		·741	·829	·841	·253	·247
12	·179	·337	·102		·771	·817	·626	·808		·810	·261	
13	·163	·389	·114	·986	·711		·674	·807	·765	·815	·238	·243
14	·177		·144	·963	·670	·736	·674	·843	·757	·823		·223
15	·122	·319		·980	·642	·752	·680		·810	·848	·383	·252
16	·183	·322	·109	·992		·780	·729	·879	·829	·838	·406	·258
17		·341	·049	29·015	·678	·775	·730	·860	·873		·395	·259
18	·352	·300	·093		·601	·737		·876	·850	·878	·342	·345
19	·327	·321	·170	28·938	·546	·703	·770	·886		·934	·277	
20	·370	·354	·205	·902	·569		·770	·875	·917	·996	·218	·290
21	·398			29·016	·551	·742	·749	·827	·938	29·167		·344
22	·338	·159	·124	28·971	·559	·733	·785		·957	·103	·220	·336
23	·205	·233	·033	·869		·619	·850		·972	·049	·036	·329
24		·240	28·968	·887		·641	·779	·918	·991		28·956	·384
25	·278	·183	·960		·790	·674		·900	·936	·101	29·035	
26	·436		·915	·858	·792	·697	·730	·780		·144	·099	
27	·503	·189	·972	·797	·775		·739	·764	·942	·174	·143	·277
28	·420	·289		·807	·766	·780	·741	·794	·957	·190	·276	·286
29	·302		29·016	·802	·772	·781	·788	·872	·983	·184		·326
30	·237		·016	·806	·842	·769	·800		29·001	·259	·223	·373
31			·004				·818	·787				·339

TABLE LXXII.—*Showing, for each Month, the Mean Pressure of supposed Dry Air; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Pressure of supposed Dry Air.	Difference from the Mean of the last Twelve Years.
	in.	in.
January	29·296	−0·026
February	·289	·000
March	·084	− ·027
April	28·923	·045
May	·706	− ·137
June	·776	·062
July	·723	− ·007
August	·809	− ·023
September	·898	− ·013
October	·966	− ·007
November	29·220	·231
December	·275	·167

FOR SEASONS.

	in.
Mean of {Jan. Feb. March, Oct. Nov. Dec.} or Winter	29·188
Mean of {April, May, June, July, Aug. Sept.} or Summer	28·806
Mean of the year	28·997
Greatest monthly mean, in January	29·296
Least monthly mean, in May	28·706
Difference	0·590

TABLE LXXIII.—*Mean Pressure of supposed Dry Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29·309	29·295	29·091	28·923	28·719	28·785	28·737	28·826	28·913	28·957	29·212	29.288
1 A. M.	·302	·309	·062	·909	·721	·780	·717	·808	·913	·960	·213	·266
2 „	·295	·283	·060	·907	·729	·764	·718	·801	·906	·956	·196	·261
3 „	·303	·288	·064	·905	·710	·756	·709	·796	·900	·956	·201	·258
4 „	·307	·289	·080	·915	·720	·769	·710	·798	·900	·978	·225	·274
5 „	·317	·318	·077	·935	·720	·777	·722	·807	·903	·989	·250	·284
6 „	·344	·351	·117	·980	·733	·785	·743	·827	·915	29·016	·282	·320
7 „	·364	·370	·124	·997	·738	·794	·745	·824	·909	·014	·313	·333
8 „	·379	·394	·147	29·016	·753	·790	·742	·838	·908	·033	·315	·342
9 „	·412	·412	·182	·012	·753	·796	·738	·822	·916	·037	·343	·360
10 „	·411	·399	·157	28·997	·742	·788	·731	·825	·912	·030	·316	·351
11 „	·376	·362	·117	·950	·721	·772	·729	·802	·897	·020	·310	·322
Noon.	·337	·305	·077	·911	·707	·777	·716	·782	·874	·002	·267	·307
1 P. M.	·286	·260	·051	·892	·680	·775	·696	·781	·861	28·949	·218	·261
2 „	·233	·208	·025	·874	·663	·752	·678	·754	·849	·926	·196	·241
3 „	·191	·169	·019	·856	·646	·748	·677	·752	·849	·888	·142	·217
4 „	·170	·163	·021	·857	·630	·737	·689	·768	·854	·904	·120	·204
5 „	·172	·173	·031	·847	·641	·734	·700	·781	·871	·907	·112	·189
6 „	·197	·213	·053	·862	·658	·759	·707	·817	·889	·922	·124	·208
7 „	·226	·247	·077	·895	·683	·774	·729	·829	·903	·939	·145	·222
8 „	·260	·275	·079	·915	·696	·799	·748	·832	·918	·953	·148	·240
9 „	·285	·301	·101	·937	·714	·800	·759	·850	·928	·965	·192	·275
10 „	·298	·321	·120	·955	·744	·805	·765	·846	·934	·976	·247	·283
11 „	·318	·311	·104	·941	·721	·800	·758	·841	·929	·969	·223	·307

TABLE LXXIV.—*Excess of the Mean Hourly Pressure of supposed Dry Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·013	0·006	0·006	0·000	0·013	0·009	0·014	0·017	0·015	-0·011	-0·009	0·013
1 A. M.	·006	·020	- ·023	- ·014	·015	·004	- ·006	- ·001	·015	- ·008	- ·008	- ·009
2 „	- ·001	- ·006	- ·025	- ·016	·023	- ·012	- ·005	- ·008	·008	- ·012	- ·025	- ·014
3 „	·007	- ·001	- ·021	- ·018	·004	- ·020	- ·014	- ·013	·002	- ·012	- ·020	- ·017
4 „	·011	·000	- ·005	- ·008	·014	- ·007	- ·013	- ·011	·002	·010	·004	- ·001
5 „	·021	·029	- ·008	·012	·014	·001	- ·001	- ·002	·005	·029	·029	·009
6 „	·048	·062	·032	·057	·027	·009	·020	·019	·017	·048	·061	·045
7 „	·068	·081	·039	·074	·032	·018	·022	·015	·011	·046	·092	·058
8 „	·083	·105	·062	·093	·047	·014	·019	·029	·010	·065	·094	·067
9 „	·116	·123	·097	·089	·047	·020	·015	·013	·018	·069	·122	·085
10 „	·115	·110	·072	·074	·036	·012	·008	·016	·014	·062	·095	·076
11 „	·080	·073	·032	·027	·015	·004	·006	- ·007	- ·001	·052	·089	·047
Noon.	·041	·016	- ·008	- ·012	·001	·001	- ·007	- ·027	- ·024	·034	·046	·032
1 P. M.	- ·010	- ·029	- ·034	- ·031	- ·026	- ·001	- ·027	- ·028	- ·037	- ·019	- ·003	- ·014
2 „	- ·063	- ·081	- ·060	- ·049	- ·046	- ·024	- ·045	- ·055	- ·049	- ·042	- ·025	- ·034
3 „	- ·105	- ·120	- ·066	- ·069	- ·060	- ·028	- ·046	- ·057	- ·049	- ·080	- ·079	- ·058
4 „	- ·126	- ·126	- ·064	- ·068	- ·076	- ·039	- ·034	- ·041	- ·044	- ·064	- ·101	- ·071
5 „	- ·124	- ·116	- ·054	- ·078	- ·065	- ·042	- ·023	- ·028	- ·027	- ·061	- ·109	- ·086
6 „	- ·099	- ·076	- ·032	- ·061	- ·048	- ·017	- ·016	·008	- ·009	- ·046	- ·097	- ·067
7 „	- ·070	- ·042	- ·008	- ·028	- ·023	- ·002	·006	·020	·005	- ·029	- ·076	- ·053
8 „	- ·036	- ·014	- ·006	- ·008	- ·010	·023	·025	·023	·020	- ·015	- ·073	- ·035
9 „	- ·011	·012	·016	·014	·008	·024	·036	·041	·030	- ·003	- ·029	·000
10 „	·002	·032	·035	·032	·038	·029	·042	·037	·036	·008	·026	·008
11 „	·022	·022	·019	·018	·015	·024	·035	·032	·031	·001	·022	·032

TABLE LXXV.—*Showing, for the Year* 1858, *the Mean Pressure of supposed Dry Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Pressure of supposed Dry Air.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	29·094	0·006
1 A. M.	28·996	− ·002
2 „	·991	− ·007
3 „	·987	− ·011
4 „	·997	− ·001
5 „	29·008	·010
6 „	·033	·035
7 „	·044	·046
8 „	·055	·057
9 „	·065	·067
10 „	·054	·056
11 „	·032	·034
Noon.	·005	·007
1 P. M	28·976	− ·022
2 „	·951	− ·047
3 „	·929	− ·069
4 „	·926	− ·072
5 „	·930	− ·068
6 „	·950	− ·048
7 „	·972	− ·026
8 „	·997	− ·001
9 „	29·009	·011
10 „	·025	·027
11 „	·019	·011

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night	28·996
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day	29·000
Mean	28·998

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 3 A. M.
A maximum at 9 „
A minimum at 4 P. M.
A maximum at 10 „

TABLE LXXVI.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Pressure of supposed Dry Air, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Pressure of supposed Dry Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Dry Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	29·412	29·170	0·242	9 A. M.	4 P. M.
February	·412	·163	·249	9 „	4 „
March	·182	·019	·163	9 „	3 „
April	·016	28·847	·169	8 „	5 „
May	28·753	·630	·123	9 „	4 „
June	·805	·734	·071	10 P. M.	5 „
July	·765	·677	·088	10 „	3 „
August	·850	·752	·098	9 „	3 „
September	·934	·849	·085	10 „	3 „
October	29·037	·888	·149	9 A. M.	3 „
November	·343	29·112	·231	9 „	5 „
December	·360	·189	·171	9 „	5 „

TABLE LXXVII.—*Mean Weight in Grains of a Cubic Foot of Common Air, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
1	512	509		500	489	498	494		498	500		508
2	511	508	508			498	494	502	499	499		509
3		508	508	498	491	495	494	500	498		503	510
4	511	509	507		492	492		500	498	497	505	509
5	511	511	506	497	492	492	491	498		499	505	
6	512	512	506	495	491		493	497	496	498		508
7	512			491	490	497	495	497	497	496	502	509
8	511	514	503	495	489	493	495		498	496	502	510
9	511	511	503	496	490	492	495	496	497	495	502	509
10	511	511	503	496		492	496	499	499		505	510
11		511	506	497	491	492		496	504	499	505	505
12	506	512	503		490	492	494	497		498	504	
13	505	511	500	498	489		500	497	502	497	506	507
14	505		499	497	489	490	496	498	498	499	507	508
15	506	509		498	489	490	498		499	499	507	510
16	508	509	499	497		490	499	499	498	499	506	509
17		509	501	497	490	490	497	498	499		507	510
18	510	509	504		489	489		499	499	499	508	511
19	511	511	500	496	487	490	496	499		498	508	
20	512	510	499	494	488		496	498	499	497	507	511
21	515			494	487	494	496	497	498	499		511
22	514	507	499	493	492	495	498		500	500	504	511
23	511	507	497	492		493	496		500	499	503	510
24		506	498	490		497	496	500	501		502	510
25	513	508	499		492	500		500	500	502	501	
26	516		499	491	492	496	497	497		503	502	
27	518	507	499	493	490		499	498	500	504	502	508
28	517	509		495	490	496	497	496	501	504	505	510
29	511		500	493	491	495	498	497	501	502		512
30	510		499	491	496	498	498		500	503	508	512
31			499				498	497				510

TABLE LXXVIII.—*Showing, for each Month, the Mean Weight in Grains of a Cubic Foot of Common Air; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Weight of a Cubic Foot of Common Air.	Difference from the Mean of the last Twelve Years.
	grs.	grs.
January	511	0
February	510	− 2
March	501	0
April	495	− 1
May	490	− 2
June	494	1
July	497	1
August	498	0
September	499	0
October	498	− 1
November	504	1
December	509	1

FOR SEASONS.	grs.
Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	505
Mean of { April, May, June, July, Aug. Sept. } or Summer ..	495
Mean of the year.....	500
Greatest monthly mean, in January	511
Least monthly mean, in May.....	490
Difference....	21

TABLE LXXIX.—*Mean Weight in Grains of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	516	513	506	499	494	497	497	500	502	504	509	513
1 A. M.	516	515	506	499	494	497	500	500	503	504	509	512
2 „	516	514	507	499	494	496	499	500	503	504	509	512
3 „	517	514	506	499	495	496	499	502	503	505	509	514
4 „	517	515	507	499	495	496	499	502	503	505	510	514
5 „	518	516	508	502	495	497	499	500	503	505	510	516
6 „	518	517	508	498	495	497	499	502	503	506	511	516
7 „	519	517	508	497	494	496	497	500	502	505	510	515
8 „	516	513	506	494	494	494	496	499	500	501	509	513
9 „	513	511	501	494	489	493	496	498	498	500	506	510
10 „	511	508	499	492	487	492	495	497	497	498	506	509
11 „	508	504	498	492	486	490	494	498	496	497	500	506
Noon.	505	502	495	489	485	489	494	495	494	494	497	502
1 P. M.	502	501	494	488	485	489	492	495	495	492	495	500
2 „	501	499	493	488	484	489	491	495	493	492	493	499
3 „	500	500	493	488	484	489	494	495	495	491	494	499
4 „	501	500	494	488	485	489	494	495	496	492	494	500
5 „	505	502	496	493	487	490	495	496	497	494	500	504
6 „	509	507	499	493	489	495	496	498	499	498	502	507
7 „	510	509	500	495	491	495	496	498	499	498	502	509
8 „	511	510	503	497	493	495	498	499	502	500	505	509
9 „	513	511	503	498	493	496	498	501	502	501	507	510
10 „	515	512	505	498	494	496	498	501	502	503	509	512
11 „	516	513	505	498	495	496	498	501	502	503	510	512

TABLE LXXX.—*Excess in Grains of Mean Hourly Weight of a Cubic Foot of Common Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	5	2	5	4	4	3	0	2	3	6	5	4
1 A. M.	5	4	5	4	4	3	3	2	4	6	5	3
2 „	5	3	6	4	4	2	2	2	4	6	5	3
3 „	6	3	5	4	5	2	2	4	4	7	5	5
4 „	6	4	6	4	5	2	2	4	4	7	6	5
5 „	7	5	7	7	5	3	2	2	4	7	6	7
6 „	7	6	7	3	5	3	2	4	4	8	7	7
7 „	8	6	7	2	4	2	0	2	3	7	6	6
8 „	5	2	5	- 1	1	0	- 1	1	1	3	5	4
9 „	2			- 1	- 1	- 1	- 1	0	- 1	2	2	1
10 „		- 3	- 2	- 3	- 3	- 2	- 2	- 1	- 2	0	2	0
11 „	- 3	- 7	- 3	- 3	- 4	- 4	- 3	0	- 3	- 1	- 4	- 3
Noon.	- 6	- 9	- 6	- 6	- 5	- 5	- 3	- 3	- 5	- 4	- 7	- 7
1 P. M.	- 9	- 10	- 7	- 7	- 5	- 5	- 5	- 3	- 4	- 6	- 9	- 9
2 „	- 10	- 12	- 8	- 7	- 6	- 5	- 6	- 3	- 6	- 6	- 11	- 10
3 „	- 11	- 11	- 8	- 7	- 6	- 5	- 3	- 3	- 4	- 7	- 10	- 10
4 „	- 10	- 11	- 7	- 7	- 5	- 5	- 3	- 3	- 3	- 6	- 10	- 9
5 „	- 6	- 9	- 5	- 2	- 3	- 4	- 2	- 2	- 2	- 4	- 4	- 5
6 „	- 2	- 4	- 2	- 2	- 1	1	- 1	0	0	0	- 2	- 2
7 „	- 1	- 2	- 1		1	1	- 1	0	0	0	- 2	0
8 „		- 1	2	2	3	1	1	1	3	2	1	0
9 „	2		2	3	3	2	1	3	3	3	3	1
10 „	4	1	4	3	4	2	1	3	3	5	5	3
11 „	5	2	4	3	5	2	1	3	3	5	6	3

TABLE LXXXI.—*Showing, for the Year* 1858, *the Mean Weight in Grains of a Cubic Foot of Common Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Weight of a Cubic Foot of Common Air.	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	504	- 3
1 A. M.	505	4
2 „	504	3
3 „	505	4
4 „	505	4
5 „	506	5
6 „	506	5
7 „	505	4
8 „	503	2
9 „	501	0
10 „	499	- 2
11 „	497	- 4
Noon.	495	- 6
1 P. M.	494	- 7
2 „	493	- 8
3 „	494	- 7
4 „	494	- 7
5 „	497	- 4
6 „	499	- 2
7 „	500	- 1
8 „	502	1
9 „	503	2
10 „	504	3
11 „	504	3

FOR DAY AND NIGHT.

	grs.
Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night..	503
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day.....	498
Mean.....	501

TIMES OF MEAN MAXIMUM AND MINIMUM.

A maximum at about 5 and 6 A. M.
A minimum at 2 P. M.

TABLE LXXXII.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Weight of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Weight of a Cubic Foot of Common Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of a Cubic Foot of Common Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	519	500	19	7 A. M.	3 P. M.
February	517	499	17	7 „	2 „
March	508	493	15	7 „	2 „
April	502	488	14	5 „	2 „
May.....	495	484	11	6 „	3 „
June	497	489	8	6 „	4 „
July.....	500	491	9	1 „	2 „
August.....	502	495	7	6 „	4 „
September	503	493	10	6 „	2 „
October	506	491	15	6 „	3 „
November	511	493	18	6 „	2 „
December	516	499	17	6 „	3 „

TABLE LXXXIII.—*Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
1	6·4	7·4		8·9	10·7	10·8	10·4		10·2	9·5		8·1
2	6·6	8·1	7·0			10·5	9·8	10·2	9·2	9·5		8·1
3		8·4	6·8	8·4	10·4	10·2	9·8	10·2	9·5		7·6	8·7
4	7·4	8·1	7·5		10·7	9·8		10·2	9·2	10·7	7·3	8·1
5	7·3	7·7	7·9	8·0	10·7	9·4	10·4	10·2		10·4	7·3	
6	6·9	6·9	7·9	8·3	11·0		10·4	9·9	9·5	10·1		8·1
7	7·2			8·6	11·0	9·2	10·5	10·2	9·5	10·1		7·9
8	7·4	5·8	8·7	10·1	10·4	9·5	10·2		9·5	10·1	8·4	7·4
9	6·8	6·4	8·4	10·1	10·0	9·4	10·5	9·8	9·4	9·5	8·1	7·2
10	6·8	6·6	8·1	9·8		9·1	10·5	9·9	9·5		7·4	7·2
11		7·3	7·7	9·2	9·7	9·4		10·1	9·6	10·2	7·4	7·4
12	7·4	7·0	8·7		9·7	9·7	10·4	9·8		10·1	7·0	
13	7·7	6·2	8·4	9·2	10·1		10·2	9·8	19·6	9·8	7·1	6·9
14	7·7		8·0	9·2	10·3	10·1	10·5	9·8	10·2	10·2		7·2
15	8·1	6·6		9·2	10·4	10·0	10·2		9·9	10·5	6·5	7·4
16	7·7	6·7	8·0	9·2		9·7	10·2	9·8	9·8	10·5	6·3	7·2
17		6·6	8·9	8·9	10·1	9·7	10·2	9·8	9·8		6·3	7·7
18	6·2	7·2	8·7		10·4	10·0		9·8	9·9	10·2	6·8	6·8
19	6·2	7·0	7·9	9·5	10·4	10·2	10·1	9·8		9·8	7·4	
20	5·8	6·2	7·6	9·8	10·1		10·1	9·8	9·2	8·9	7·8	7·2
21	5·4			8·8	10·4	10·1	10·1	9·6	9·0	7·3		6·8
22	5·6	8·1	7·8	9·7	11·0	10·1	10·1		8·9	8·0	7·5	7·0
23	7·4	7·9	8·3	10·0		10·4	10·1		8·9	8·4	8·7	7·0
24		7·4	9·5	8·9		10·0	10·1	9·5	9·2		9·5	6·4
25	7·4	7·7	9·8		10·1	10·0		9·8	9·2	7·7	9·3	
26	6·2		10·1	9·1	10·0	10·5	10·2	9·8		7·9	8·9	
27	5·2	7·4	9·5	10·4	10·0		10·2	9·8	9·2	8·1	8·8	7·0
28	6·2	6·8		10·1	10·0	10·1	10·2	9·8	9·5	7·9	7·4	7·2
29	7·4		8·7	10·4	10·3	10·1	9·8	9·2	9·8	8·1		7·2
30	8·4		8·9	10·4	10·1	10·2	10·2		9·5	7·6	7·9	7·0
31			8·9				10·1	9·8				7·0

TABLE LXXXIV.—*Showing, for each Month, the Mean Weight in Grains of a Cubic Foot of Common Air; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Weight of Vapour in a Cubic Foot of Common Air.	Difference from the Mean of the last Twelve Years.
	grs.	grs.
January	6·8	0·1
February	7·1	0·3
March	8·4	0·4
April	9·4	0·4
May	10·3	0·5
June	9·9	− 0·2
July	10·3	0·3
August	9·8	0·2
September	9·5	0·1
October	9·2	− 0·1
November	7·7	0·0
December	7·3	0·5

FOR SEASONS.

	grs.
Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	7·7
Mean of { April, May, June, July, Aug. Sept. } or Summer	9·9
Mean of the year	8·8
Greatest monthly mean, in May and July	10·3
Least monthly mean, in January	6·8
Difference	3·5

TABLE LXXXV.—*Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay, Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	6·9	7·2	8·4	9.5	10.4	9·8	10·2	9·9	9·6	9·2	7·7	7·2
1 A. M.	6·9	6·9	8.5	9·5	10·1	9·8	10·2	9·9	9·3	9.3	7·7	7·2
2 „	6·8	7·0	8.4	9·5	10·1	9·8	10·2	9·6	9·3	9·2	7·7	7·2
3 „	6·5	6·9	8·4	9·2	10.1	9·8	10·2	9·6	9·3	9·3	7·7	7·2
4 „	6·5	6·9	8·1	9·2	10·1	9·8	10·2	9·6	9·3	8·9	7·4	7·0
5 „	6·5	6·6	8·4	9·2	10·1	9·8	10.2	9·6	9·3	8·9	7·2	7·2
6 „	6·5	6·7	8·1	8·9	10·2	9·8	10.0	9·6	9·3	8·9	7·2	7·0
7 „	6·5	6·6	8·1	8·9	10·4	9·9	10·2	9·9	9·6	9·2	7·2	7·0
8 „	6·6	6·6	8·1	8·8	10·4	10·1	10·2	9·9	9·8	9·0	7·3	7·2
9 „	6·4	6·6	7·9	9·1	10·3	10·1	10·4	10·1	9·8	9·2	7·1	7·2
10 „	6·4	6·6	8·0	9·1	10·3	10·1	10·4	10·1	9·8	9·2	7·1	7·2
11 „	6·5	6·8	8·3	9·7	10.6	10·2	10·4	10·1	9·8	8·9	7·1	7·1
Noon.	6·6	7·1	8·6	9·7	10·6	10·0	10·4	10·4	9·9	8·8	7·1	7·1
1 P. M.	6·7	7·3	8·6	9·7	10·6	10·0	10·5	10·1	9·8	9·1	7·3	7·1
2 „	7·1	7·6	8·6	9·7	10·6	10·0	10·7	10·1	9·8	9·1	7·5	7·1
3 „	7·0	7·8	8·3	9·5	10·6	10·0	10·7	10·1	9·5	9·4	7·9	7·3
4 „	7·6	7·8	8·3	9·4	10·6	10·0	10·2	10·1	9·5	9·4	8·3	7·6
5 „	7·7	7·8	8·3	9·7	10·4	10·2	9·8	9·8	9·5	9·5	8·4	7·7
6 „	7·5	7·5	8·3	9·8	10·5	9·8	10·1	9·5	9·5	9·5	8·4	7·9
7 „	7·5	7·4	8·1	9·5	10·4	9·8	10·2	9·8	9·5	9·5	8·4	7·9
8 „	7·3	7·3	8·4	9·5	10·5	9·8	10·2	9·8	9·5	9·5	8·7	7·9
9 „	7.2	7·2	8·4	9·5	10·4	9·8	10·2	9·5	9·5	9·5	8·1	7·7
10 „	7·0	7·0	8·1	9·3	10·4	9·8	10·2	9·9	9·5	9·2	7·7	7·4
11 „	6·8	7·0	8·4	9·5	10·4	9·8	10.2	9·9	9·3	9·2	7·7	7·0

TABLE LXXXVI.—*Excess in Grains of the Mean Hourly Weight of Vapour in a Cubic Foot of Common Air above the Monthly Mean, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	0·1	0·1	0·0	0·1	0·1	-0·1	-0·1	0·1	0·1	0·0	0·0	-0·1
1 A. M.	0·1	-0·2	0·1	0·1	-0·2	-0·1	-0·1	0·1	-0·2	0·1	0·0	-0·1
2 „	0·0	-0·1	0·0	0·1	-0·2	-0·1	-0·1	-0·2	-0·2	0·0	0·0	-0·1
3 „	-0·3	-0·2	0·0	-0·2	-0·2	-0·1	-0·1	-0·2	-0·2	0·1	0·0	-0·1
4 „	-0·3	-0·2	-0·3	-0·2	-0·2	-0·1	-0·1	-0·2	-0·2	-0·3	-0·3	-0·3
5 „	-0·3	-0·5	0·0	-0·2	-0·2	-0·1	-0·1	-0·2	-0·2	-0·3	-0·5	-0·1
6 „	-0·3	-0·4	0·3	-0·5	-0·1	-0·1	-0·2	-0·2	-0·2	-0·3	-0·5	-0·3
7 „	-0·3	-0·5	-0·3	-0·5	0·1	0·0	-0·1	0·1	0·1	0·0	-0·5	-0·3
8 „	-0·2	-0·5	-0·3	-0·6	0·1	0·2	-0·1	0·1	0·3	-0·2	-0·4	-0·1
9 „	-0·4	-0·5	-0·5	-0·3	0·0	0·2	0·1	0·3	0·3	0·0	-0·6	-0·1
10 „	-0·4	-0·5	-0·4	-0·3	0·0	0·2	0·1	0·3	0·3	0·0	-0·6	-0·1
11 „	-0·3	-0·3	-0·1	0·3	0·3	0·3	0·1	0·3	0·3	-0·3	-0·6	-0·2
Noon.	-0·2	0·0	0·2	0·3	0·3	0·1	0·1	0·6	0·4	-0·4	-0·6	-0·2
1 P. M.	-0·1	0·2	0·2	0·3	0·3	0·1	0·2	0·3	0·3	-0·1	-0·4	-0·2
2 „	0·3	0·5	0·2	0·3	0·3	0·1	0·4	0·3	0·3	-0·1	-0·2	-0·2
3 „	0·2	0·7	-0·1	0·1	0·3	0·1	0·4	0·3	0·0	0.2	0·2	0·0
4 „	0·8	0·7	-0·1	0·0	0·3	0·1	-0·1	0·3	0·0	0·2	0·6	0·3
5 „	0·9	0·7	-0·1	0·3	0·1	0·3	-0·5	0·0	0·0	0·3	0·7	0·4
6 „	0·7	0·4	-0·1	0·4	0·2	-0·1	-0·2	-0·3	0·0	0·3	0·7	0·6
7 „	0·7	0·3	-0·3	0·1	0·1	-0·1	-0·1	0·0	0·0	0·3	0·7	0·6
8 „	0·5	0·2	0·0	0·1	0·2	-0·1	-0·1	0·0	0·0	0·3	1·0	0·6
9 „	0·4	0·1	0·0	0·1	0·1	-0·1	-0·1	-0·3	0·0	0·3	0.4	0·4
10 „	0·2	-0·1	-0·3	-0·1	0·1	-0·1	-0·1	0·1	0·0	0·0	0.0	0.1
11 „	0·0	-0.1	0·0	0·1	0·1	-0·1	-0·1	0·1	-0·2	0·0	0·0	-0·3

TABLE LXXXVII.—*Showing, for the Year* 1858, *the Mean Weight in Grains of Vapour in a Cubic Foot of Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Weight of Vapour in a Cubic Foot of Air.	Difference from the Mean of the Whole.
H.	grs.	grs.
Midnight.	8·8	0·0
1 A. M.	8·8	0·0
2 „	8·7	− 0·1
3 „	8·7	− 0·1
4 „	8·6	− 0·2
5 „	8·6	− 0·2
6 „	8·5	− 0·3
7 „	8·6	− 0·2
8 „	8·7	− 0·1
9 „	8·7	− 0·1
10 „	8·7	− 0·1
11 „	8·8	0·0
Noon.	8·9	0·1
1 P. M.	8·9	0·1
2 „	9·0	0·2
3 „	9·0	0·2
4 „	9·1	0·3
5 „	9·1	0·3
6 „	9·0	0·2
7 „	9·0	0·2
8 „	9·0	0·2
9 „	8·9	0·1
10 „	8·8	0·0
11 „	8·8	0·0

FOR DAY AND NIGHT.

	grs.
Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night	8·8
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day	8·8
Mean	8·8

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 6 A. M.
A maximum between 5 & 6 P. M.

TABLE LXXXVIII.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Weight in Grains of Vapour in a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months. 1858.	The Mean hourly Weight of Water in a Cubic Foot of Common Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Water in a Cubic Foot of Common Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.		
January	7·7	6·4	1·3	5 P. M.	9 A. M.
February	7·8	6·6	1·2	3 „	9 „
March	8·6	8·1	0·7	2 „	8 „
April	9·7	8·8	1·0	2 „	8 „
May.....	10·6	10.1	0·5	2 „	5 „
June	10·2	9·8	0·4	5 „	6 „
July.....	10·7	9·8	0·9	3 „	5 P. M.
August.....	10·4	9·5	0·9	Noon.	6 „
September	9·9	9·3	0·6	Noon.	6 A. M.
October	9·5	8·8	0.7	9 „	Noon.
November	8·7	7·1	1·6	8 „	Noon.
December	7·9	7·0	0·9	8 „	6 A. M.

TABLE LXXXIX.—*Mean Weight in Grains of Vapour required for Complete Saturation of a Cubic Foot of Common Air, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
1	2·7	2·5		2·2	3·0	0·7	1·8		0·9	1·6		1·8
2	2·4	1·8	2·3			0·6	2·4	0·0	1·9	1·7		1·5
3		1·8	2·5	3·1	2·5	1·7	2·4	0·3	2·0		3·2	0·6
4	1·6	1·5	2·2		1·8	2·7		0·3	1·9	1·5	3·3	1·5
5	1·5	1·1	2·0	3·8	2·2	3·5	2·1	0·6		1·1	3·2	
6	1·7	1·7	2·0	3·9	2·3		1·8	0·9	2·3	1·4		1·8
7	1·3			4·3	2·3	1·9	0·6	0·6	2·3	1·7		1·7
8	1·1	2·7	1·8	2·1	2·9	3·0	0·6		2·0	1·7	2·4	1·9
9	1·7	2·6	2·1	2·1	3·3	3·5	0·3	1·3	2·1	2·7	2·7	2·1
10	2·0	2·4	2·4	2·4		3·8	0·3	0·6	1·3		3·4	2·7
11		1·8	2·5	2·6	3·6	3·5		1·0	0·0	0·6	3·1	3·1
12	2·5	1·9	1·8		3·6	3·2	1·1	1·3		1·0	3·5	
13	2·5	2·8	2·7	2·6	3·2		0·0	1·3	0·3	1·7	3·1	3·0
14	2·5		3·5	2·6	3·0	3·2	0·6	1·3	0·6	0·6		2·4
15	2·1	2·7		2·4	2·5	3·3	0·3		0·9	0·6	3·7	1·9
16	2·1	2·6	3·5	3·0		3·6	0·3	1·3	1·3	0·6	4·2	2·1
17		3·0	1·9	3·3	2·4	3·6	0·9	1·3	1·3		3·9	1·6
18	2·8	2·1	1·8		2·1	3·3		1·3	0·9	0·9	3·1	2·2
19	2·6	2·1	3·6	2·7	2·5	2·7	1·4	1·3		1·7	2·6	
20	2·7	2·9	4·2	2·7	2·4		1·4	1·3	1·6	2·9	2·4	1·8
21	2·6			4·1	3·5	1·7	1·4	1·5	1·8	4·2		2·2
22	2·4	1·8	3·8	3·6	1·2	1·4	1·0		1·9	3·1	3·0	2·3
23	1·1	2·4	3·5	3·3		1·4	1·4		1·9	2·7	1·9	2·3
24		2·8	2·0	4·5		1·5	1·4	1·3	1·6		1·0	2·9
25	1·1	1·9	1·7		2·8	0·2		1·3	1·6	2·8	1·6	
26	1·6		1·5	3·8	2·8	0·6	0·6	1·3		2·6	2·2	
27	2·6	2·2	2·0	2·1	3·3		0·3	1·0	1·6	2·4	2·3	2·6
28	1·8	2·5		2·1	3·3	1·4	0·6	1·7	1·3	2·6	3·1	2·1
29	1·6		2·1	2·5	3·0	1·7	1·0	2·3	1·3	2·7		1·8
30	1·2		2·2	2·9	2·1	0·6	0·9		1·6	3·2	2·0	2·0
31			2·2				1·0	1·3				2·3

TABLE XC.—*Showing, for each Month, the Mean Weight in Grains of Vapour required for Complete Saturation of a Cubic Foot of Common Air; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Weight of Vapour required for Complete Saturation.	Difference from the Mean of the last Twelve Years.
	grs.	grs.
January	2·0	− 0·3
February	2·2	− 0·5
March	2·4	− 0·4
April	3·0	0·1
May	2·6	− 0·3
June	2·2	0·4
July	1·0	− 0·2
August	1·1	− 0·3
September	1·4	0·1
October	1·9	0·2
November	2·9	0·0
December	2·2	0·6

FOR SEASONS.	
	grs.
Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	2·3
Mean of { April, May, June, July, Aug. Sept. } or Summer	1·9
Mean of the year	2·1
Greatest monthly mean, in April	3·0
Least monthly mean, in July	1·0
Difference	2·0

TABLE XCI.—*Mean Weight in Grains of Vapour required for Complete Saturation of a Cubic Foot of Common Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	0·9	1·3	1·5	1·6	1·5	1·3	0.6	0·6	0·9	1·0	1·6	1·3
1 A. M.	0·9	1·3	1·4	1·6	1·7	1·3	0·4	0·6	0·9	0·9	1·6	1·3
2 „	1·0	1·2	1·2	1·4	1·7	1·3	0·3	0·9	0·9	1·0	1·6	1·3
3 „	1·1	1·3	1·2	1·6	1·4	1·3	0·3	0·6	0·9	0·6	1·6	1·0
4 „	1·0	1·1	1·2	1·6	1·4	1·3	0·3	0·6	0·9	1·0	1·7	1·2
5 „	0·9	1·2	0·9	1·3	1·4	1·3	0·3	0·9	0·9	1·0	1·8	0·8
6 „	0·8	1·1	1·2	1·6	1·4	1·3	0·5	0·6	0·9	1·0	1·8	1·0
7 „	0·9	1·2	1·5	1·6	1·8	1·6	0·6	0·6	0·9	1·0	2·1	1.2
8 „	1·4	2·2	2·1	3·4	2·5	2·1	0·9	0·9	1·0	1·8	2·4	1·6
9 „	2·4	1·7	3·2	3·8	3·4	2·4	1·1	1·0	1·7	2·3	3·4	2.4
10 „	2·9	3·6	3.8	4·6	4·2	2·8	1·4	1·4	2·0	2·6	4·0	2·7
11 „	3·4	4·0	3·9	4·4	4·3	3·1	1·8	1·7	2·4	3·3	4·7	3·4
Noon.	3·9	4·0	3·9	4·8	4·7	3·7	1·8	1·8	2·6	4·1	5·4	4·0
1 P. M.	4·1	4·2	4·3	5·2	4·7	3·7	2·0	1·7	2·4	4·2	5·6	4·4
2 „	4·0	4·2	4·3	4·8	4·7	3·7	2·8	2·1	2·7	4·2	5·8	4·7
3 „	3·8	3·7	4·6	5.0	4·7	3·7	2·5	1·7	2·7	3·9	5·0	4·5
4 „	3·2	3·7	4·2	5·1	4·3	3·3	1·6	1·7	2·3	3·9	4·6	3·9
5 „	2·5	3·0	3·9	3·6	3·3	2·7	1·7	1·7	2·0	3·0	3.1	2·8
6 „	1·8	2·4	2·8	2·7	2·4	2·4	1·0	1·3	1·3	2·0	2·4	2·0
7 „	1·5	1·9	2·7	2·7	2·1	2·0	0·9	1·0	1·3	2·0	2·4	1·7
8 „	1·5	2·0	2·1	2·3	1·7	2·0	0·6	1·0	1·0	1·6	1·8	1·7
9 „	1·4	1·8	2·1	2·0	1·8	1·7	0·6	1·0	1·0	1·3	2·1	1·6
10 „	1·2	1·8	2·1	2.2	1·8	1·7	0·6	0·6	1·0	1·3	1·9	1·4
11 „	1·3	1·5	1·8	2·0	1·4	1·7	0·6	0·6	1·2	1·3	1·6	1·8

TABLE XCII.—*Excess in Grains of Mean Hourly Weight of Vapour, required for Complete Saturation of a Cubic Foot of Common Air, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	-1·1	-0·9	-0·9	-1·4	-1·1	-0·9	-0·4	-0·5	-0·5	-0·9	-1·3	-0·9
1 A. M.	-1·1	-0·9	-1·0	-1·4	-0·9	-0·9	-0·6	-0·5	-0·5	-1·0	-1·3	-0·9
2 „	-1·0	-1·0	-1·2	-1·6	-0·9	-0·9	-0·7	-0·2	-0·5	-0·9	-1·3	-0·9
3 „	-0·9	-0·9	-1·2	-1·4	-1·2	-0·9	-0·7	-0·5	-0·5	-1·3	-1·3	-1·2
4 „	-1·0	-1·1	-1·2	-1·4	-1·2	-0·9	-0·7	-0·5	-0·5	-0·9	-1·2	-1·0
5 „	-1·1	-1·0	-1·5	-1·7	-1·2	-0·9	-0·7	-0·2	-0·5	-0·9	-1·1	-1·4
6 „	-1·2	-1·1	-1·2	-1·4	-1·2	-0·9	-0·5	-0·5	-0·5	-0·9	-1·1	-1·2
7 „	-1·1	-1·0	-0·9	-1·4	-0·8	-0·6	-0·4	-0·5	-0·5	-0·9	-0·8	-1·0
8 „	-0·6	0·0	-0·3	0·4	-0·1	-0·1	-0·1	-0·2	-0·4	-0·1	-0·3	-0·6
9 „	0·4	-0·5	0·8	0·8	0·8	0·2	0·1	-0·1	0·3	0·4	0·5	0·2
10 „	0·9	1·4	1·4	1·6	1·6	0·6	0·4	0·3	0·6	0·7	1·1	0·5
11 „	1·4	1·8	1·5	1·4	1·7	0·9	0·8	0·6	1·0	1·4	1·8	1·2
Noon.	1·9	1·8	1·5	1·8	2·1	1·5	0·8	0·7	1·2	2·2	2·5	1·8
1 P. M.	2·1	2·0	1·9	2·2	2·1	1·5	1·0	0·6	1·0	2·3	2·7	2·2
2 „	2·0	2·0	1·9	0·8	2·1	1·5	1·8	1·0	1·3	2·3	2·9	2·5
3 „	1·8	1·5	2·2	2·0	2·1	1·5	1·5	0·6	1·3	2·0	2·1	2·3
4 „	1·2	1·5	1·8	2·1	1·7	1·1	0·6	0·6	0·9	2·0	1·7	1·7
5 „	0·5	0·8	1·5	0·6	0·7	0·5	0·7	0·6	0·6	1·1	0·2	0·6
6 „	-0·2	0·2	0·4	-0·3	-0·2	0·2	0·0	0·2	-0·1	0·1	-0·5	-0·2
7 „	-0·5	-0·3	0·3	-0·3	-0·5	-0·2	-0·1	-0·1	-0·1	0·1	-0·5	-0·5
8 „	-0·5	-0·2	-0·3	-0·7	-0·9	-0·2	-0·4	-0·1	-0·4	-0·3	-1·1	-0·5
9 „	-0·6	-0·4	-0·3	-1·0	-0·8	-0·5	-0·4	-0·1	-0·4	-0·6	-0·8	-0·6
10 „	-0·8	-0·4	-0·3	-0·8	-0·8	-0·5	-0·4	-0·5	-0·4	-0·6	-1·0	-0·8
11 „	-0·7	-0·7	-0·6	-1·0	-1·2	-0·5	-0·4	-0·5	-0·2	-0·6	-1·3	-0·4

TABLE. XCIII.—*Showing, for the Year* 1858, *the Mean Weight of Water required for Complete Saturation, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Weight of Water required for Complete Saturation.	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	1·2	− 0·9
1 A. M.	1·2	− 0·9
2 „	1·1	− 1·0
3 „	1·1	− 1·0
4 „	1·1	− 1·0
5 „	1·0	− 1·1
6 „	1·1	− 1.0
7 „	1·2	− 0·9
8 „	1·9	− 0·2
9 „	2·4	0·3
10 „	3·0	0·9
11 „	3·4	1·3
Noon.	3·7	1·6
1 P. M.	3·9	1·8
2 „	4·0	1·9
3 „	3·8	1·7
4 „	3·5	1·4
5 „	2·8	0·7
6 „	2·0	− 0·1
7 „	1·8	− 0·3
8 „	1·6	− 0·5
9 „	1·5	− 0·6
10 „	1·5	− 0·6
11 „	1·4	− 0·7

FOR DAY AND NIGHT.

	grs.
Mean of {6 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night..	1·4
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, A. M.} or Day....	2·9
Mean.....	2·1

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum at 5 A. M.
A maximum at 2 P. M.

TABLE XCIV.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Weight of Moisture in Grains required for Complete Saturation of a Cubic Foot of Common Air, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Weight of Vapour required for Complete Saturation.		Mean Diurnal Range.	The Time at which the Mean Hourly Weight of Vapour required for Complete Saturation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	grs.	grs.	grs.	H.	H.
January	4.1	0·8	3·3	1 P. M.	6 A. M.
February.....	4·2	1·1	3·1	1 „	6 „
March.....	4·6	0·9	3·7	3 „	5 „
April	5·2	1·3	3·9	1 „	5 „
May.....	4·7	1·4	3·3	3 „	6 „
June	3·7	1·3	2·4	3 „	6 „
July.....	2·8	0·3	2·5	2 „	5 „
August.....	2·1	0·6	1·5	2 „	6 „
September	2·7	0·9	1·8	3 „	7 „
October	4·2	0·6	3·6	2 „	3 „
November	5·8	1·6	4·2	2 „	3 „
December	4·7	0·8	3·9	2 „	5 „

TABLE XCV.—*Mean Quantity of Water Evaporated in Atmospheric Air, for each Day of Bombay Civil Time.*

Date 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1	0·277	0·228		0·222	0·272	0·074	0·148		0·093	0·169		0·160
2	·229	·178	0·218			·078	·154	0·016	·164	·151		·144
3		·153	·237	·288	·263	·161	·178	·057	·165		0·312	·144
4	·137	·145	·202		·187	·276		·020	·180	·112	·300	·136
5	·132	·101	·190	·260	·208	·324	·191	·065		·112	·299	
6	·162	·158	·192	·374	·207		·181	·088	·205	·131		·156
7	·125			·397	·204	·174	·072	·077	·225	·137		·179
8	·109	·258	·170	·210	·272	·269	·053		·181	·166	·240	·165
9	·172	·234	·210	·175	·301	·321	·038	·121	·213	·259	·245	·197
10	.186	·242	·215	·229		·348	·042	·072	·137		·316	·260
11		·169	·230	·259	·323	·329		·097	·003	·084	·285	·290
12	·224	·178	·174		·327	·305	·098	·126		·119	·323	
13	·235	·259	·261	·245	·287		·022	·130	·017	·161	·285	·275
14	·242		·336	·242	·282	·279	·058	·121	·052	·058		·230
15	·188	·254		·239	·232	·313	·034		·086	·073	·356	·177
16	·160	·245	·283	·258		·338	·034	·145	·122	·084	·388	·191
17		·288	·190	·296	·235	·340	·072	·033	·136		·362	·151
18	·253	·202	·157		·219	·320		·123	·083	·079	·297	·196
19	·231	·205	·316	·258	·235	·245	·121	·141		·168	·250	
20	·247	·275	·385	·263	·215		·132	·146	·160	·271	·216	·177
21	·238			·407	·244	·169	·099	·148	·163	·381		·217
22	·220	·177	·356	·344	·206	·120	·095		·167	·278	·269	·214
23	·103	·238	·314	·304		·151	·134		·150	·272	·189	·230
24		·256	·192	·426		·054	·112	·100	·173		·105	·283
25	1.00	·183	·163		·255	·029		·102	·140	·271	·190	
26	·089		·139	·334	·284	·087	·080	·113		·241	·207	
27	·225	·208	·190	·196	·296		·049	·103	·163	·226	·218	·245
28	·179	·235		·194	·298	·117	·072	·141	·129	·244	·290	·200
29	·143		·215	·238	·275	·152	·101	·170	·128	·264		·186
30	·098		·231	·287	·196	·071	·088		·159	·303	·178	·172
31			·222				·122	·121				·229

TABLE XCVI.—*Showing, for each Month, the whole Quantity of Water actually Evaporated in the Air, and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Quantity of Water actually Evaporated.	Difference from the Mean of the last Twelve Years.
	in.	in.
January	5·632	− 0·971
February	5·914	− 1·254
March	7·140	− 1·168
April	8·334	− 0·036
May	7·840	− 1·336
June	6·281	1·151
July	2·972	− 0·779
August	3·194	− 0·960
September	4·147	− 0·203
October	5·740	− 0·522
November	7·982	− 0·208
December	6·205	− 1·669
Mean daily Quantity of Evaporation	0·196	....

FOR SEASONS.

	in.
Sum of {Jan. Feb. March, Oct. Nov. Dec.} or Winter..	38·613
Sum of {April, May, June, July, Aug. Sept.} or Summer..	32·768
Total quantity of water evaporated in the year..	71·381
Greatest monthly evaporation, in April.....	8·334
Least monthly evaporation, in July	2·972
Difference....	5·362

TABLE XCVII.—*Mean Quantity of Water Evaporated in Atmospheric Air, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0·004	0·005	0·006	0·006	0·006	0·005	0·002	0·003	0·004	0·004	0·006	0·005
1 A. M.	·004	·005	·005	·006	·006	·005	·002	·003	·004	·004	·007	·005
2 „	·004	·005	·005	·006	·007	·005	·002	·003	·004	·004	·006	·005
3 „	·004	·005	·005	·006	·006	·005	·002	·002	·003	·003	·006	·004
4 „	·004	·004	·005	·006	·006	·005	·002	·003	·003	·004	·007	·004
5 „	·004	·005	·004	·005	·006	·005	·002	·003	·003	·004	·007	·004
6 „	·004	·004	·004	·006	·005	·005	·002	·003	·003	·003	·007	·004
7 „	·004	·005	·005	·009	·007	·006	·003	·003	·003	·004	·009	·004
8 „	·006	·008	·008	·013	·010	·008	·004	·004	·004	·007	·010	·006
9 „	·009	·011	·012	·015	·013	·010	·004	·005	·006	·009	·014	·009
10 „	·012	·014	·014	·018	·015	·011	·005	·006	·008	·011	·016	·011
11 „	·013	·015	·015	·018	·017	·012	·007	·007	·009	·013	·019	·013
Noon.	·015	·016	·015	·019	·018	·014	·007	·007	·010	·015	·021	·016
1 P. M.	·016	·016	·016	·020	·019	·014	·007	·007	·010	·016	·022	·017
2 „	·016	·016	·017	·021	·019	·014	·007	·008	·011	·016	·022	·018
2 „	·015	·015	·017	·020	·019	·014	·007	·007	·011	·015	·020	·017
4 „	·013	·013	·017	·019	·017	·013	·006	·007	·010	·015	·018	·015
5 „	·009	·012	·014	·015	·014	·011	·005	·006	·008	·012	·013	·011
6 „	·007	·009	·011	·011	·010	·009	·004	·005	·006	·009	·010	·008
7 „	·006	·008	·010	·010	·008	·008	·004	·004	·005	·007	·009	·007
8 „	·006	·008	·009	·009	·007	·008	·004	·004	·004	·006	·007	·006
9 „	·006	·007	·008	·009	·007	·007	·003	·004	·004	·005	·008	·006
10 „	·005	·007	·008	·008	·007	·007	·003	·003	·004	·005	·008	·006
11 „	·005	·006	·007	·000	·006	·006	·002	·003	·004	·004	·006	·006

TABLE XCVIII.—*Excess of the Mean Hourly Quantity of Water Evaporated above the Monthly Mean in each Month, for each Hour of Bombay Civil Time.*

Bombay, Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	− 0·004	− 0·004	− 0·004	− 0·006	− 0·004	− 0·004	− 0·002	− 0·002	− 0·002	− 0·004	− 0·005	−0·004
1 A. M.	− ·004	− ·004	− ·005	− ·006	− ·004	− ·004	− ·002	− ·002	− ·002	− ·004	− ·004	− ·004
2 „	− ·004	− ·004	− ·005	− ·006	− ·003	− ·004	− ·002	− ·002	− ·002	− ·004	− ·005	− ·004
3 „	− ·004	− ·004	− ·005	− ·006	− ·004	− ·004	− ·002	− ·003	− ·003	− ·005	− ·005	− ·005
4 „	− ·004	− ·005	− ·005	− ·006	− ·004	− ·004	− ·002	− ·002	− ·003	− ·004	− ·004	− ·005
5 „	− ·004	− ·004	− ·006	− ·007	− ·004	− ·004	− ·002	− ·002	− ·003	− ·004	− ·004	− ·005
6 „	− ·004	− ·005	− ·006	− ·006	− ·005	− ·004	− ·002	− ·002	− ·003	− ·005	− ·004	− ·005
7 „	− ·004	− ·004	− ·005	− ·003	− ·003	− ·003	− ·001	− ·002	− ·003	− ·004	− ·002	− ·005
8 „	− ·002	− ·001	− ·002	·001	·000	− ·001	·000	− ·001	− ·002	− ·001	− ·001	·003
9 „	·001	·002	·002	·003	·003	·001	·000	·000	·000	·001	·003	·000
10 „	·004	·005	·004	·006	·005	·002	·001	·001	·002	·003	·005	·002
11 „	·005	·006	·005	·006	·007	·003	·003	·002	·003	·005	·008	·004
Noon.	·007	·007	·005	·007	·008	·005	·003	·002	·004	·007	·010	·007
1 P. M.	·008	·007	·006	·008	·009	·005	·003	·002	·004	·008	·011	·008
2 „	·008	·007	·007	·009	·009	·005	·003	·003	·005	·008	·011	·009
3 „	·007	·006	·007	·008	·009	·005	·003	·002	·005	·007	·009	·008
4 „	·005	·004	·007	·007	·007	·004	·002	·002	·004	·007	·007	·006
5 „	·001	·003	·004	·003	·004	·002	·001	·001	·002	·004	·002	·002
6 „	− ·001		·001	− ·001	·000	·000	·000	·000	·000	·001	− ·001	− ·001
7 „	− ·002	− ·001		− ·002	− ·002	− ·001	·000	− ·001	− ·001	− ·001	− ·002	− ·002
8 „	− ·002	− ·001	− ·001	− ·003	− ·003	− ·001	·000	− ·001	− ·002	− ·002	− ·004	− ·003
9 „	− ·002	− ·002	− ·002	− ·003	− ·003	− ·002	− ·001	− ·001	− ·002	− ·003	− ·003	− ·003
10 „	− ·003	− ·002	− ·002	− ·004	− ·003	− ·002	− ·001	− ·002	− ·002	− ·003	− ·003	− ·003
11 „	− ·003	− ·003	− ·003	− ·004	− ·004	− ·003	− ·002	− ·002	− ·002	− ·004	− ·005	− ·003

TABLE XCIX.—*Showing, for the Year* 1858, *the Mean Quantity of Water actually Evaporated in Atmospheric Air, for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Quantity of Water Evaporated.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·005	−0·003
1 A. M.	·005	− ·003
2 „	·005	− ·003
3 „	·004	− ·004
4 „	·004	− ·004
5 „	·004	− ·004
6 „	·004	− ·004
7 „	·005	− ·003
8 „	·007	− ·001
9 „	·010	·002
10 „	·012	·004
11 „	·013	·005
Noon.	·014	·006
1 P. M.	·015	·007
2 „	·015	·007
3 „	·015	·007
4 „	·014	·006
5 „	·011	·003
6 „	·008	·000
7 „	·007	− ·001
8 „	·006	− ·002
9 „	·006	− ·002
10 „	·006	− ·002
11 „	·005	− ·003

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night ..	0·005
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day	0·010
Mean.....	0·008

TIMES OF MEAN MAXIMUM AND MINIMUM.

A minimum before the sun-rise.
A maximum in the afternoon.

TABLE C.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Quantity of Water actually Evaporated in the Atmospheric Air, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Quantity of Water actually Evaporated.		Mean Diurnal Range.	The Time at which the Mean Hourly Quantity of Water Evaporated was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.		
January	0·016	0·004	0·012	2 P. M.	Morning.
February.....	0·016	0·004	0·012	2 „	4 & 6 A. M.
March.....	0·017	0·006	0·013	2 „	5 & 6 „
April	0·021	0·005	0·016	2 „	5 „
May.....	0·019	0·005	0·014	3 „	6 „
June.....	0·014	0·005	0·009	2 „	6 „
July.....	0·007	0·002	0·005	2 „	6 „
August.....	0·008	0·003	0·005	2 „	6 „
September	0·011	0·003	0·008	2 „	6 „
October	0·016	0·003	0·013	2 „	6 „
November	0·022	0·006	0·016	2 „	3 „
December	0·018	0·004	0·014	2 „	6 „

WIND.

THE Direction of Wind was taken from Osler's Self-Registering Anemometer, erected on the Western roof of the Astronomical Observatory. Its force on all ordinary occasions was observed by Lynd's Wind Gauge; but any force exceeding 2 lbs. pressure was taken from Osler's Gauge.

At Bombay the Wind blows from different directions in different seasons of the year; monsoonish Wind generally blows in Summer, and land and sea-breezes in Winter.

Those days on which the Wind quits its usual direction are called Abnormal days; the days on which the Wind turns round the compass are also included in Abnormal days.

The following is a list of Abnormal days on which the Wind has taken unusual sweeps in 1858 :—

JANUARY 24th.—The wind blew abnormally.

FEBRUARY 15th.—The wind blew abnormally.

„ 22nd.—The wind veered round from NW. b W. to SW b S. by direct circular motion of 270° in 6 hours.

MARCH 8th.—The wind blew abnormally.

„ 9th „ „

„ 10th „ „

„ 17th.—The wind veered round from NW. to NNW. by direct circular motion of 382 in 3 hours.

„ 18th „ WNW. to W. by retrograde motion of 382 in 8 hours.

„ 21st „ N. to NW. by direct circular motion of 315 in 3 hours.

„ 24th.—The wind blew abnormally.

„ 25th „ „

„ 26th.—The wind veered round from S. to SW. by direct circular motion of 405 in 12 hours.

„ 27th.—The wind blew abnormally.

„ 30th.—The wind veered round from NW. to SW. by direct circular motion of 270 in 5 hours.

APRIL 8th.—The wind veered round from N. to SE. by direct circular motion of 135 instantly.

„ 16th „ NW. to W. „ 315 in 7 hours.

„ 17th „ NNW. to W. „ 293 in 7 hours.

„ 21st „ SE. to S. by retrograde motion of 270 in 5 hours.

„ 28th „ E. to N. by direct circular motion of 270 in 10 minutes.

„ 30th „ NW. to ESE. by retrograde motion of 563 instantly.

MAY 15th.—The wind blew abnormally; at about 7h. 30m. P. M., the wind shifted from E. to N. by direct motion: in about 15 m. more it took another sweep and began to blow SW., and there settled itself for a while.

„ 31st.—The wind blew abnormally.

JUNE 1st.—The wind veered round from SW. to SSE. by direct circular motion of 292 in 12 hours.

„ 2nd „ SE. to WNW. „ 157 in 1 hour.

„ 6th „ SW. to W. „ 417 in 2½ hours.

„ 7th „ S. to E b N. „ 259 in 3 hours.

„ 7th „ E. b N. to WSW. „ 168 in 7 hours.

„ 8th „ WNW. to NW. „ 383 in 5 hours.

„ 19th „ E. to ESE. by retrograde motion of 338 in 1½ hours.

„ 20th „ W. to WSW. „ 383 in 5 hours.

„ 21st „ SW. to W. by direct circular motion of 405 in 5 hours.

„ 22nd „ SSE. to NE. „ 608 in 6 hours.

„ 25th „ NNW. to N. „ 383 in 2½ hours.

JULY 7th.—Wind blew abnormally in the afternoon.

„ 8th.—The wind veered round from N. b E. to NW. by direct circular motion of 664 in 4 hours.

„ 9th „ N. b W. to WNW. „ 664 in 4 hours.

AUGUST.—Monsoonish wind blew during the whole of this month ; it took no unusual sweeps, but blew between W. and S. generally.

SEPTEMBER 8th.—The wind veered round from WNW. to NNE. by direct circular motion of 495° in 7 hours.

OCTOBER 3rd.—The wind veered round from N. to WNW. by direct circular motion of 292 in 1½ hour.

„ 10th.—The wind blew abnormally this day.

„ 11th „ „

„ 12th „ „

„ 13th.—The wind veered round from NW. to E. by direct circular motion of 135 in 1 hour.

„	13th	„	N. to S.	„	180 in 2 hours.
„	16th.....	„	WSW. to E.	„	203 in 1 hour.
		„	E. to NW.	„	225 instantly.
„	17th	„	WNW. to ESE.	„	180 instantly.
„	18th	„	WSW. to WSW.	„	360 in 4 hours.
„	19th	„	E. to NW.	„	225 instantly.

NOVEMBER 11th.—The wind veered round by E. to ENE. by direct circular motion of 338 in 2 hours.

„	11th	„	ENE. to NW.	„	248 instantly.
„	29th	„	E. to W.	„	180 in ½ hour.
„	30th	„	ESE. to NW.	„	203 instantly.

DECEMBER 5th.—The wind veered round from NW. b W. to NE. by direct circular motion instantly.

„	5th	„	E. to W.	„	180 in 2 hours.

„ 13th.—The wind blew abnormally.

„ 14th.—The wind veered round from E. b N. to WNW. by direct circular motion 225 in 2 hours.

The Record of the Forces of Wind when the Pressure was above 1 lb.

JANUARY.—Light breezes blew in this month, but in no case the force of the wind was above 1 lb.

FEBRUARY 19th.—Westerly breezes in the afternoon, the force of which was 1 lb.

MARCH 5th.—Fresh breezes in the afternoon, the force of which was 3 lbs.

„ 13th.—Northerly wind at 5 P. M., the force of which was 1·5 lbs.

APRIL 2nd and 7th.—North-westerly wind in the afternoon, the force of which was 1 lb.

„ 21st.—South-easterly wind at 5½ P. M., the force of which was 1·5 lbs.

MAY 15th.—Stormy wind from E. at 7 P. M., the maximum force was 5 lbs.

„ 16th, 17th, and 18th.—South-westerly breezes, the force of which was between 2 and 4 lbs.

„ 20th.—Stormy wind between 1 and 11 P. M., the maximum force was 7·5 lbs.

„ 21st, 22nd, and 24th.—Occasional puffs of wind from S., the force of which was about 2 lbs.

„ 26th, 27th, and 29th.—Fresh breezes of wind from SW., the force of which was 2 lbs.

JUNE 22nd.—Squally wind from NW., the force of which was about 2·5 lbs.

„ 24th.—Wind shifting and changing; stormy wind lasted for 5 hours, the maximum force of wind at 5h. 12m. P. M. was 12 lbs.

„ 25th to 30th.—High winds were blowing, the maximum force of the wind being about 6 lbs.

JULY 5th.—Westerly wind in the morning, the force of which was 2 lbs.

„ 6th.—Occasional westerly puffs, the force of which was 2 lbs.

„ 9th.—Stormy wind between 9 and 10 P. M., the force of which was 5½ lbs.

„ 10th to 13th.—Occasional puffs of wind from W., the force being about 2 lbs.

„ 15th to 18th.—High winds from W., force generally 3 lbs., but sometimes it rose to 8 lbs.

„ 20th to 24th.—Squally wind, the force of which was between 3 and 5 lbs.

„ 25th to 29th.—High winds from WNW., the force was generally 2 or 3 lbs., but sometimes it rose to 6 lbs.

AUGUST 1st.—Light breezes of wind from WSW., the pressure of which was about 1 lb.

AUGUST 2nd, 4th, 10th, 11th, 15th, 16th, and 21st.—Occasional puffs of wind from NW. or WSW., the force of which was about 2 lbs., but once it was recorded 4 lbs.

„ 5th, 6th, 7th, 8th, 9th, 17th, 18th, 19th, 20th, 25th, and 26th.—Fresh breezes of wind from WSW, the force of which was about 2 or 3 lbs., but on the 25th and 26th it was about 6 lbs.

„ 27th.—Occasional squalls from SW., maximum force of which was 3 lbs.

SEPTEMBER 11th and 12th.—Fresh breezes of wind from W., the force of which was about 2 lbs.

„ 13th.—Occasional squalls from W., maximum force of which was 3 lbs.

OCTOBER 12th, 13th, 18th, 21st, and 28th.—Light breezes in the morning and evening, the maximum force being about 2 lbs.

NOVEMBER 17th and 24th.—Light breezes in the evening, the force of which was 1 lb.

DECEMBER 17th, 18th, 21st, 22nd, 23rd, 24th, and 29th.—Light breezes in the evening from NW., the force of which was between 1 or 2 lbs.

TABLE CI.—*Showing, for each Month, the Excess of the Direct Circular Motion above the Retrograde Motion.*

Months, 1858.	Excess of the Direct Circular Motion above the Retrograde.	Months, 1858.	Excess of the Direct Circular Motion over the Retrograde.
	rds. dg.		rds. dg.
January	− 11° = 0 & 11	July.....	+ 731° = 2 & 11
February.....	+ 326 = 0 & 326	August.....	+ 337 = 0 & 337
March.....	+1125 = 3 & 45	September	+ 450 = 1 & 90
April	+ 867 = 2 & 147	October	+2182 = 6 & 22
May.....	− 192 = 0 & 192	November	+1125 = 3 & 45
June.....	+2115 = 5 & 315	December.....	+ 720 = 2 & 0

The excess of the direct circular motion over the retrograde during the year 1858 was +9775° degrees, or 27 rounds and 55 degrees.

TABLE CII.—*Showing the Sums of the Pressures of Wind for different Directions in every Month without Distinction of Hours, and the Number of Hours during which it blew with a recorded force greater than 0·1 lb. on a square foot: and the General Range of Hours during which the Wind blew in each Direction ; the thirty-two Directions were Reduced to Eight Points by the rule heretofore adopted.*

Months, 1858.	N.			NE.			E.			SE.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January ..	60·65	235·0	At all hours.	9·80	70·5	From 3 A. M. to noon.	3·30	16·0	From 5 A. M. to 4 P. M.			
February .	38·20	173·5	At all hours.	6·35	52·5	From 4 A. M. to 1 P. M.	3·25	26·5	From 6 A. M. to noon.	0·30	2·0	Only two instances at 7 and 8 A. M.
March ..	18·70	87·0	At all hours.	1·85	18·5	From 4 to 10 A. M.	3·60	27·0	Especially from 4 to 10 A. M.	2·65	18·0	From 4 to 11 A. M.
April	18·80	65·0	At all hours.	6·90	29·0	From midnight to 10 A. M.	4·30	20·0	Occasionally.	2·30	12·5	Occasionally.
May	8·75	40·0	At all hours.	0·10	1·0	No instance of true NE.	1·35	4·5	No instance of true E.	14·50	24·5	From 9 P. M. to 9 A. M.
June	6·50	12·0	Particularly from 6 to 11 P. M.	0·95	5·5	Occasionally.	3·95	26·0	Particularly from 2 A. M. to Noon.	2·30	12·5	Occasionally.
July	0·75	4·0	A few instances.	0·85	6·5	From 10 A. M. to 2 P. M.	0·45	2·5	At 1 and 2 A. M. only.	0·10	0·5	No instances of true SE.
August ..												
September.	1·65	13·5	Occasionally.	0·90	5·5	From 7 to 10 A. M.	0·45	2·0	Only one instance of true E.	0·75	4·0	From 7 to 11 A. M.
October ..	22·15	93·0	At all hours.	12·90	86·5	At all hours, excepting from 4 to 8 P. M.	12·90	60·5	Especially from 6 A. M. to 2 P. M.	5·50	23·0	Only a few instances of true SE.
November.	9·35	53·5	In the morning and evening.	33·20	148·5	At all hours, except 3 to 7 P. M.	13·70	57·5	From 2 A. M. to 2 P. M.	5·45	18·0	From 9 to 10 P. M.
December.	30·65	115·5	At all hours.	19·15	110·0	Particularly from midnight to 2 P. M.	7·05	39·0	From 8 A. M. to 4 P. M.			
Sums	216·15	892·0		92·95	534·0		54·30	281·5		33·85	115·0	

TABLE CII.—(*Continued.*)

Months, 1858.	S.			SW.			W.			NW.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January..	0·10	1·0	No instance of true S.	0·40	4·0	A few instances.	..	..	.....	51·70	143·5	At all hours, except 8 and 9 A. M.
February .	..	..	.....	0·70	6·5	Only two instances of true SW.	2·05	16·0	From 2 P. M. to 7 P. M.	54·45	176·5	At all hours, except 7, 8, and 9 A. M.
March ..	3·80	29·0	Occasionally.	8·75	46·5	From 10 A. M. to midnight.	7·65	55·0	From 10 A. M. to midnight.	103·80	243·0	At all hours, except 6 and 9 A. M.
April	1·65	12·5	A few instances.	8·20	47·0	At all hours, except 6, 7, 8, P. M.	26·10	133·5	At all hours, except from 4 to 10 A. M.	53·35	197·5	At all hours, except 6 A. M.
May	58·30	76·0	At all hours, except from 11 A. M. to 6 P. M.	63·90	137·5	At all hours.	17·05	89·5	At all hours.	40·75	179·0	At all hours.
June	12·65	21·0	Occasionally.	37·40	117·0	At all hours.	67·50	270·0	At all hours.	30·45	102·0	At all hours, except 8 A. M.
July	4·10	13·0	Occasionally.	74·70	127·0	At all hours, except 3 and 11 A. M. and 6 and 9 P. M.	252·20	411·5	At all hours.	25·70	150·5	Particularly from midnight to 11 A. M.
August ..	0·55	3·0	Only two instances of true S.	122·60	209·0	At all hours, except 9 and 11 A. M.	156·90	368·5	At all hours.	6·25	12·5	Occasionally.
September.	4·55	19·5	Occasionally.	26·85	129·5	At all hours.	55·85	244·0	At all hours.	20·85	77·0	At all hours, except 7 A. M. and 10 P. M.
October ..	5·55	23·5	From 10 P. M. to 8 A. M.	2·10	13·0	Occasionally.	2·20	15·5	From 11 A. M. to 5 P. M.	38·40	148·0	At all hours, except from 6 to 10 A. M.
November.	..	..	.....	..	..	.....	0·80	7·0	Only two instances of true W.	20·60	124·5	From 1 to 8 P. M.
December.	1·00	9·0	A few instances.	0·25	1·5	A single instance of true SW.	3·65	21·5	From noon to 5 P. M.	50·35	129·0	From noon to 11 P. M.
Sums	92·25	207·5		345·85	838·5		591·95	1632·0		496·65	1583·0	

TABLE CIII.—*Showing the Sums of the Pressures and the Hours of Duration of each Wind during the Year* 1858, *for each Hour of Bombay Civil Time.*

Bombay Civil Time.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		Bombay Civil Time.
	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	Sums of Forces.	Number of Hours.	
	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lb.	H.	lbs.	H.	lbs.	H.	lbs.	H.	
Midnight.	6·65	37·5	2·30	13·0	0·50	4·5	1·65	5·5	4·25	10·5	14·05	32 5	17·00	56·0	10·95	45·5	Midnight.
1 A. M.	7·30	32·5	2·70	12·5	0·80	3·5	3·40	6·0	4·45	11·0	15·15	32·5	23·00	53·5	9·40	38·0	1 A. M.
2 „	7·40	41·0	3·65	19·5	1·50	6·5	2·30	4·5	3·65	10·5	12·55	31·5	28·30	59·5	9·95	37·0	2 „
3 „	7·30	44·5	5·15	24·0	1·55	6·5	1·30	5·0	2·85	8·5	12·35	28·5	29·40	55·5	11·65	35·5	3 „
4 „	6·65	45·0	5·80	33·0	1·25	6·5	1·10	5·5	3·05	10·0	17·50	32·5	23·90	52·0	9·90	35·5	4 „
5 „	6·05	41·0	5·70	37·5	1·65	9.5	1·20	7·0	3·30	12·5	11·50	28·5	29·75	51·0	7·95	29·0	5 „
6 „	4·30	38·5	7·80	45·5	4·90	20·0	1·15	5·5	3·55	13·5	16·00	36·0	28·75	44·0	5·95	17·0	6 „
7 „	3·50	32·5	9·05	55·5	4·75	30·5	2·15	12·0	2·25	6·5	11·15	30·0	23·10	49·5	4·55	22·5	7 „
8 „	3·55	32·0	9·80	57·0	7·55	40·0	2·10	13·0	4·40	13·5	11·80	29·0	16·70	56·0	4·70	18·5	8 „
9 „	4·95	35·0	12·55	64·0	8·40	40·0	2·15	11·5	3·30	13·5	9·25	31·0	21·75	55·5	6·55	25·0	9 „
10 „	4·30	28·0	10·60	60·5	6·80	30·5	1·20	8·0	2·15	13·5	14·40	40·5	20·50	57·0	8·45	37·0	10 „
11 „	8·65	34·0	6·80	44·5	4·80	27·0	0·80	4·0	1·96	9·5	14·00	36·5	27·55	72·5	12·25	51·0	11 „
Noon.	10·70	39·0	3·95	25·5	3·10	15·5	0·35	1·0	1·85	6·5	16·15	43·0	25·05	77·5	19·25	66·0	Noon.
1 P. M.	7·90	28·5	1·45	13·5	1·90	11·0	0·40	2·0	2·75	5·0	20·80	46·0	26·50	84·0	33·10	103·0	1 P. M.
2 „	8·55	21·0	0·80	7·0	1·15	9·0	0·35	1·0	2·65	3·0	19·90	39·5	35·55	91·5	46·15	122·0	2 „
3 „	11·30	26·5	0·50	4·0	0·45	4·5	0·05	0·5	2·80	2·5	17·20	37·5	31·50	102·0	48·40	121·5	3 „
4 „	11·70	23·5			0·35	2·5	0·05	0·5	3·70	4·5	17·80	36.5	32·85	98·5	53·15	136·0	4 „
5 „	11·60	31·0	0·05	5·0	0·30	1·0	0·10	1·0	10 60	3·5	14·95	36·0	29·45	92·5	45·85	136·0	5 „
6 „	15·50	34·0			0·30	1·0	0·30	1·0	3·85	4·0	14·75	34·0	28·85	89·5	44·85	128·5	6 „
7 „	16 95	42·5			0·05	0·5	0·55	2·5	5·65	5·5	16·60	36·5	18·05	76·5	39·05	115·0	7 „
8 „	20·75	53·0	0·15	1·5	0·70	2 5	0·65	2·0	5·75	8·5	13·10	38·0	14·50	64·5	28·40	95·5	8 „
9 „	13·60	58·0	1·90	3·0	0·50	3·0	1·75	4·0	3·80	8·5	9·45	31·5	23·95	68·5	15·75	68·5	9 „
10 „	10·05	53·0	1·25	5·5	0·55	2·5	3·35	4·5	4·85	10·0	10·65	36·0	17·45	64·5	9·95	50·0	10 „
11 „	6·95	40·5	1·00	6·5	0·50	3·5	5·46	7·5	3·85	13 0	14·80	35·0	18·55	60·5	10·50	49·5	11 „

TABLE CIV.—*Showing the Mean Pressure of each Wind at each Hour of Bombay Civil Time, as obtained by dividing the Force of Wind in* TABLE CIII. *by the Hours of Duration of each Wind.*

Bombay Civil Time.	Direction of Wind in 1858.								Bombay Civil Time.
	N.	NE.	E.	SE.	S.	SW.	W.	NW.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	
Midnight.	0·18	0·17	0·11	0.30	0·40	0·44	0·30	0·24	Midnight.
1 A. M.	·22	·22	·23	·56	·40	·47	·43	·25	1 A. M.
2 „	·18	·19	·23	·51	·35	·40	·47	·27	2 „
3 „	·16	·21	·24	·26	·33	·43	·53	·33	3 „
4 „	·15	·17	·20	·20	·30	·54	·46	·28	4 „
5 „	·15	·15	·17	·17	·26	·40	·58	·27	5 „
6 „	·11	·17	·24	·20	·26	·44	·65	·35	6 „
7 „	·11	·16	·16	·18	·34	·37	·46	·20	7 „
8 „	·11	·17	·19	·16	·32	·41	·30	·25	8 „
9 „	·14	·19	·21	·19	·24	·30	·39	·26	9 „
10 „	·15	·17	·22	·15	·23	·35	·36	·23	10 „
11 „	·25	·15	·18	·20	·20	·40	·38	·24	11 „
Noon.	·27	·15	·20	·35	·28	·37	·32	·29	Noon.
1 P. M.	·27	·11	·17	·20	·55	·45	·32	·32	1 P. M.
2 „	·41	·11	·13	·35	·88	·50	·39	·38	2 „
3 „	·43	·12	·10	·10	1·12	·46	·31	·40	3 „
4 „	·50		·14	·10	0·82	·49	·33	·39	4 „
5 „	·37	·10	·30	·10	3·03	·41	·32	·34	5 „
6 „	·45		·30	·30	0·96	·43	·32	·35	6 „
7 „	·40		·10	·22	1·02	·45	·23	·34	7 „
8 „	·39	·10	·28	·32	0·67	·34	·22	·30	8 „
9 „	·23	·63	·16	·44	·45	·30	·35	·23	9 „
10 „	·19	·22	·22	·75	·48	·30	·27	·20	10 „
11 „	·17	·15	·14	·73	·30	·42	·30	·21	11 „

TABLE CV.—*Showing the Mean Force of each Wind resolved into the Component Cardinal Directions, by the usual rules of Mechanics.*

Direction of Wind.	Mean Force of each Wind.	Resolved Force in the Direction of				Mean Force due to each Cardinal Direction.
		N.	E.	S.	W.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
N.	0·2423	0·2423				0·6072
NE.	·1741	·1231	0·1231			
E.	·1929		·1929			0·5241
SE.	·2943		·2081	0·2081		
S.	·4446			·4446		0·9443
SW.	·4125			·2916	0·2916	
W.	·3627				·3627	0·8761
NW.	·3137	·2218			·2218	

The greatest Mean Force of Wind was recorded under Southerly Wind, a fact which nearly corresponds with the results of former years; next in order were SW, W, and NW.

Now Supposing the forces of Wind to be equal for all the directions, and measuring the preponderence of the one over the other by the time of duration only, we shall get, by the composition of forces, the angle between the resultant and the meridian to be equal to 59°56′12″, which was about 2°35′9″ less than the Mean angle of the last 5 years.

Assuming the sum of hours of duration equal to unity, we have the relative prevalence of westerly wind over all the others, in the ratio of $\frac{49601}{100000}$. This quantity was about 0·00194 higher than the mean relative value of the last five years.

TABLE CVI.—*Mean Azimuth of Wind reduced from the Registry of Osler's Anemometer, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	30°	- 12°	- 33°	- 26°	- 5°	*- 64°	-108°	-109°	-116°	- 43°	+ 25°	+ 4°
2	- 10	- 22	- 25	- 3	- 70	*+188	- 90	-106	-114	- 23	+ 21	- 5
3	9	0	- 16	17	- 60	-181	-110	-114	-145	⊙	+ 12	- 7
4	- 1	- 13	- 34	- 8	- 14	-104	-113	-106	-198	- 31	+ 9	- 9
5	- 3	- 18	- 33	- 55	- 35	-107	-103	-114	- 89	+ 28	+ 16	+149*
6	- 4	- 7	- 20	- 32	- 49	⊙	- 86	-117	- 96	+ 56	+ 3	-114
7	- 4	- 6	- 55	- 12	- 28	⊙	- 50	-113	- 75	+ 22	+ 34	- 2
8	- 4	0	-145	* 206	- 36	⊙	⊙	- 99	⊙	- 5	+ 14	- 12
9	- 9	- 7	-162	-116	- 71	- 65	⊙	- 94	- 58	+ 2	- 10	- 5
10	- 9	- 11	-139	-132	- 78	- 63	-150	- 90	- 25	⊙	+ 16	36
11	5	- 22	- 37	-121	- 56	- 93	-111	- 87	- 54	-210	⊙	23
12	22	1	- 24	-109	- 55	-102	-108	- 92	- 64	-136	+ 14	- 4
13	11	- 6	- 7	- 85	- 43	-105	-105	-103	- 83	+ 31	+ 20	1
14	2	0	- 17	- 70	- 54	-100	- 93	- 98	- 90	+ 21	+ 16	⊙
15	26	7	- 30	- 66	*- 12	- 95	-106	-103	- 84	-160	+ 18	4
16	- 28	- 2	- 28	⊙	- 97	- 92	-105	-111	-110	⊙	+ 41	- 15
17	- 19	- 8	⊙	⊙	-169	- 63	-101	-113	-143	+ 49	+ 28	8
18	- 5	- 9	⊙	- 57	-166	- 37	- 83	-113	-144	⊙	+ 32	4
19	- 5	- 23	- 14	⊙	-154	- 81	- 68	-113	- 83	⊙	+ 21	- 10
20	- 7	- 28	- 16	- 36	-174	- 66	- 94	-118	- 85	+ 31	+ 15	3
21	- 8	- 27	⊙	⊙	-177	⊙	-103	-110	- 89	+ 59	+ 21	8
22	11	⊙	+ 6	- 30	-111	⊙	-100	-110	- 92	+ 20	+ 8	12
23	- 14	- 17	- 25	- 30	-128	-118	-102	-117	-113	+ 15	+ 2	5
24	-171*	- 58	-111	- 44	-127	- 55	-109	-116	-123	+ 2	+ 25	- 2
25	- 43	- 24	-160	- 43	-110	⊙	-118	-116	- 96	+ 9	+ 70	- 1
26	7	- 53	⊙	- 48	-123	-100	-102	-127	-114	+ 12	+ 37	19
27	- 3	- 55	-128	- 47	-123	-123	- 90	-117	-118	+ 3	+ 31	15
28	- 15	- 23	- 31	⊙	-127	-115	- 89	-101	-122	+ 13	+ 20	26
29	- 17		- 37	*- 24	-148	-120	- 94	- 99	⊙	+ 11	+154	- 8
30	- 29		⊙	*- 37	-170	-103	-100	- 97	- 40	+ 16	+203	8
31	- 22		- 38		-125		- 94	- 84				17

* Denotes Abnormal days. ⊙ Denotes Circular days.

TABLE CVII.—*Showing, for each Month, the Mean Azimuth of Wind; and its Periodic Changes from the Mean of the Year.*

Months, 1858.	Mean Azimuth of Wind.	Difference from the Mean of the Year.	FOR SEASONS.	
	°	°		°
January	– 5	46		
February.....	– 16	35	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter....	10
March	– 52	– 1		
April	– 52	– 1	Mean of { April, May, June, July, Aug. Sept. } or Summer ..	91
May.....	– 99	–48		
June.....	– 95	–44		
July.....	– 99	–48	Mean of the year.....	51
August.....	–107	–56		
September	– 95	–44	Greatest westerly azimuth, in August	107
October	– 8	43	Easterly azimuth, in November	+ 21
November	+ 21	72		
December.....	– 2	49	Difference....	128

TABLE CVIII.—*Mean Force of Wind, without regard to the directions in which it blew, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1	0·14	0·08		0·21	0·12	0·12	0·24		0·08	0·16		0·13
2	·13	·07	0·30			·13	·20	0·20	·15	·21		·15
3		·10	·20	·47	·10	·13	·18	·17	·10		0·10	·06
4	·15	·34	·63		·17	·12		·25	·05	·17	·15	·08
5	·13	·23	·86	·09	·16	·17	·41	·83		·17	·15	
6	·20	·15	·37	·29	·15		·25	·74	·10	·11		·11
7	·15			·35	·26	·12	·16	·95	·15	·14		·23
8	·10	·16	·11	·11	·27	·16	·14		·12	·21	·08	·08
9	·26	·18	·20	·09	·19	·13	·25	·35	·11	·13	·11	·10
10	·32	·23	·09	·13		·14	·34	·57	·16		·12	·11
11		·35	·19	·14	·09	·13		·31	·38	·10	·11	·17
12	·12	·25	·32		·12	·12	·30	·18		·13	·12	
13	·12	·23	·30	·13	·21		·27	·21	·49	·30	·12	·15
14	·07		·31	·10	·23	·17	·26	·20	·17	·19		·14
15	·05	·14		·16	·32	·21	1·43		·18	·11	·19	·15
16	·14	·11	·24	·30		·16	2·38	·34	·04	·07	·22	·13
17		·11	·10	·20	·90	·18	0·68	·58	·24		·27	·30
18	·33	·19	·12		·85	·21		·82	·29	·22	·17	·56
19	·35	·58	·26	·14	·45	·27	·23	·76		·12	·14	
20	·34	·34	·24	·20	1·65		·45	·65	·20	·10	·20	·22
21	·30			·23	0·52	·28	·52	·49	·19	·41		·23
22	·08	·08	·29	·17	·34	·33	·63		·09	·16	·27	·23
23	·06	·10	·32	·22		·17	·53		·12	·16	·13	·20
24		·06	·12	·22		·74	·50	·44	·19		·14	·36
25	·18	·11	·12		·32	·22		·78	·15	·18	·20	
26	·51		·16	·12	·30	·73	1·22	·98		·09	·12	
27	·34	·07	·10	·13	·33		·19	·40	·21	·09	·09	·14
28	·40	·08		·17	·20	·50	·02	·20	·18	·15	·17	·05
29	·13		·13	·29	·16	·52	0·70	·13	·09	·13		·41
30	·07		·12	·17	·22	·52	·21		·15	·15	·07	·14
31			·10				·20	·24				·60

TABLE CIX.—*Showing, for each Month, the Mean Force of Wind without regard to the directions in which it blew; and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Force of Wind.	Difference from the Mean of the last Twelve Years.	FOR SEASONS.	
	lbs.	lbs.		lbs.
January	0·20	0·03		
February.....	·18	− ·01	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter.....	0·19
March	·24	·02		
April	·19	− ·07	Mean of { April, May, June, July, Aug. Sept. } or Summer	0·33
May.....	·34	·05		
June.....	·26	− ·12	Mean of the year.....	0·26
July.....	·55	·14		
August.....	·48	·19		
September	·17	·00	Greatest monthly mean, in July.....	0·55
October	·16	·02	Least monthly mean, in November.....	0·15
November	·15	·03		
December.....	·18	·05	Difference.....	0·40

TABLE CX.—*Mean Azimuth of Wind, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 17°	− 24°	− 58°	− 56°	− 97°	− 99°	−104°	−113°	− 90°	− 9°	10°	0°
1 A. M.	− 16	− 24	− 56	− 48	−104	−100	−104	−114	− 98	− 7	19	4
2 „	− 16	− 28	− 52	− 46	−105	− 92	− 99	−108	−102	1	25	4
3 „	− 13	− 30	− 52	− 41	−107	−100	−101	−108	−105	2	39	12
4 „	− 5	− 18	− 50	− 40	−117	− 98	−108	−108	−103	5	46	14
5 „	− 4	− 14	− 46	− 41	−116	− 96	− 98	−106	−105	10	53	14
6 „	0	0	− 40	− 33	−111	− 96	− 97	−111	−105	21	56	15
7 „	13	27	− 45	− 29	−110	− 95	− 97	−108	−106	29	60	22
8 „	23	32	− 39	− 29	−115	−106	−101	−104	−106	31	62	32
9 „	29	28	− 28	− 41	−102	−107	− 99	−103	−102	31	63	37
10 „	32	20	− 38	− 48	− 97	− 87	−100	−104	− 97	30	65	43
11 „	28	12	− 55	− 60	− 94	− 79	− 91	−101	− 98	37	64	38
Noon.	19	− 3	− 55	− 63	− 97	− 76	− 91	−102	− 94	20	60	14
1 P. M.	− 6	− 26	− 59	− 71	− 93	− 85	− 95	−102	− 92	− 13	31	− 3
2 „	− 11	− 29	− 59	− 68	− 89	− 90	− 92	−100	− 85	− 12	10	−26
3 „	− 19	− 34	− 60	− 66	− 87	− 98	− 98	−103	− 80	− 27	− 17	−40
4 „	− 24	− 37	− 59	− 61	− 86	− 98	− 97	−105	− 87	− 35	− 33	−44
5 „	− 27	− 36	− 58	− 60	− 88	− 98	−100	−101	− 85	− 23	− 37	−41
6 „	− 26	− 35	− 56	− 61	− 90	− 93	−102	− 98	− 83	− 21	− 33	−37
7 „	− 25	− 36	− 57	− 65	− 91	− 92	−103	−107	− 84	− 21	− 27	−33
8 „	− 25	− 34	− 59	− 56	− 97	− 97	−107	−107	− 91	− 21	− 19	−28
9 „	− 23	− 32	− 59	− 55	−105	− 89	−101	−107	− 89	− 11	− 9	−23
10 „	− 19	− 31	− 54	− 56	−103	− 92	− 97	−113	−102	− 4	0	−14
11 „	− 18	− 22	− 57	− 49	−105	− 95	− 99	−114	− 99	− 1	5	− 6

TABLE CXI.—*Mean Force of Wind, without regard to the directions in which it blew, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	0·09	0·10	0·18	0·18	0·28	0·18	0·54	0·34	0·12	0·05	0·13	0·06
1 A. M.	·10	·13	·13	·14	·38	·23	·67	·45	·11	·04	·11	·03
2 „	·10	·08	·12	·16	·31	·26	·57	·63	·25	·10	·11	·06
3 „	·12	·09	·09	·13	·20	·43	·73	·54	·12	·12	·15	·05
4 „	·10	·08	·08	·14	·22	·33	·72	·58	·10	·14	·14	·06
5 „	·10	·09	·15	·06	·20	·20	·79	·66	·13	·07	·12	·06
6 „	·08	·09	·08	·12	·19	·16	1·05	·52	·11	·16	·14	·07
7 „	·09	·10	·09	·06	·18	·18	0·45	·62	·16	·15	·17	·10
8 „	·10	·10	·09	·10	·28	·16	·40	·46	·15	·17	·21	·15
9 „	·13	·11	·10	·11	·20	·19	·54	·41	·23	·15	·34	·18
10 „	·11	·15	·12	·15	·26	·23	·44	·51	·31	·12	·22	·18
11 „	·18	·17	·20	·17	·29	·23	·50	·53	·25	·12	·17	·17
Noon.	·21	·25	·31	·24	·35	·26	·41	·47	·24	·13	·13	·14
1 P. M.	·25	·22	·42	·25	·36	·24	·50	·64	·25	·20	·07	·26
2 „	·36	·29	·48	·35	·48	·29	·60	·65	·22	·25	·10	·38
3 „	·43	·39	·48	·37	·48	·28	·45	·50	·22	·23	·12	·40
4 „	·50	·36	·43	·37	·52	·28	·68	·46	·20	·23	·16	·46
5 „	·36	·34	·41	·31	·48	·53	·58	·38	·24	·33	·16	·23
6 „	·35	·32	·41	·27	·48	·32	·53	·46	·23	·36	·17	·33
7 „	·35	·35	·38	·26	·55	·23	·30	·32	·25	·23	·17	·30
8 „	·34	·27	·37	·21	·54	·27	·26	·32	·17	·18	·13	·25
9 „	·18	·12	·27	·22	·32	·25	·57	·37	·11	·10	·12	·15
10 „	·12	·10	·17	·15	·36	·25	·42	·28	·13	·12	·07	·10
11 „	·10	·08	·21	·13	·34	·24	·87	·34	·15	·09	·11	·08

TABLE CXII.—*Showing, for the Year* 1858, *the Mean Azimuth of Wind, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Azimuth of Wind.		Annual Mean.
	Winter.	Summer.	
Midnight.	– 16°	– 93°	– 55°
1 A. M.	– 13	– 95	– 54
2 „	– 11	– 92	– 51
3 „	– 7	– 94	– 50
4 „	– 1	– 96	– 48
5 „	2	– 94	– 46
6 „	9	– 92	– 42
7 „	18	– 91	– 37
8 „	24	– 94	– 35
9 „	26	– 92	– 33
10 „	25	– 89	– 32
11 „	20	– 87	– 33
Noon.	9	– 87	– 39
1 P. M.	– 13	– 90	– 51
2 „	– 21	– 87	– 54
3 „	– 33	– 89	– 61
4 „	– 39	– 89	– 64
5 „	– 37	– 89	– 65
6 „	– 35	– 88	– 61
7 „	– 33	– 90	– 62
8 „	– 31	– 93	– 62
9 „	– 26	– 92	– 59
10 „	– 20	– 94	– 57
11 „	– 16	– 93	– 55

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M. } or Night.. –55°

Mean of { 6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M. } or Day..... –45

Mean..... –50

TIMES OF MEAN MAXIMUM AND MINIMUM.

Winter.

Most easterly at about 9 A. M.
Most westerly at about 4 P. M.

Summer.

Most westerly in the morning.
Less westerly at about noon.

TABLE CXIII.—*Showing, for the Year* 1858, *the Mean Force of Wind, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	Mean Force of Wind in		Annual Mean.
	Winter.	Summer.	
	lbs.	lbs.	lbs.
Midnight.	0·10	0·27	0·19
1 A. M.	·09	·33	·21
2 „	·10	·36	·23
3 „	·10	·36	·23
4 „	·10	·35	·22
5 „	·10	·34	·22
6 „	·10	·36	·23
7 „	·12	·28	·20
8 „	·14	·26	·20
9 „	·17	·28	·22
10 „	·15	·30	·22
11 „	·17	·33	·25
Noon.	·19	·33	·26
1 P. M.	·24	·37	·31
2 „	·31	·43	·37
3 „	·34	·38	·36
4 „	·36	·42	·39
5 „	·31	·42	·36
6 „	·32	·38	·35
7 „	·30	·32	·31
8 „	·26	·29	·28
9 „	·16	·31	·23
10 „	·11	·26	·19
11 „	·11	·29	·20

FOR DAY AND NIGHT.

	lbs.
Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night	0·24
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day	0·28
Mean....	0·26

TIMES OF MEAN MAXIMUM AND MINIMUM.

Winter.

A maximum at about 4 P. M.
A minimum, morning.

Summer.

A maximum in the afternoon.
A minimum not certain.

TABLE CXIV.—*Excess of the Mean Hourly Azimuth of Wind above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 12	- 8°	- 6°	- 4°	2°	- 4°	- 5°	- 6°	5°	- 9°	- 11°	2°
1 A. M.	- 11	- 8	- 4	4	- 5	- 5	- 5	- 7	- 3	- 7	- 2	6
2 „	- 11	- 12	0	6	- 6	- 3	0	- 1	- 7	1	4	6
3 „	- 8	- 14	0	11	- 8	- 5	- 2	- 1	- 10	2	18	14
4 „	0	- 2	2	12	- 18	- 3	- 9	- 1	- 8	5	25	16
5 „	1	2	6	11	- 17	- 1	1	1	- 10	10	32	16
6 „	5	0	12	19	- 12	- 1	2	- 4	- 10	21	35	17
7 „	18	43	7	23	- 11	0	2	- 1	- 11	29	39	24
7 „	28	48	13	23	- 16	- 11	- 2	3	- 11	31	41	34
9 „	34	44	24	11	- 3	- 12	0	4	- 7	31	42	39
10 „	37	36	14	4	2	8	- 1	3	- 2	30	44	45
11 „	33	28	- 3	- 8	5	16	8	6	- 3	37	43	40
Noon.	24	13	- 3	- 11	2	19	8	5	1	20	39	16
1 P. M.	- 1	- 10	- 7	- 19	6	10	4	5	3	- 13	10	- 1
2 „	- 6	- 13	- 7	- 16	10	5	7	7	10	- 12	- 11	- 24
3 „	- 14	- 18	- 8	- 14	12	- 3	1	4	15	- 27	- 38	- 38
4 „	- 19	- 21	- 7	- 9	13	- 3	2	2	8	- 35	- 54	- 42
5 „	- 22	- 20	- 6	- 8	11	- 3	- 1	6	10	- 23	- 58	- 39
6 „	- 21	- 19	- 4	- 9	9	- 2	- 3	9	12	- 21	- 54	- 35
7 „	- 20	- 20	- 5	- 13	8	3	- 4	0	11	- 21	- 48	- 31
8 „	- 20	- 18	- 7	- 4	2	- 2	- 8	0	4	- 21	- 40	- 26
9 „	- 18	- 16	- 7	- 3	- 6	6	- 2	0	6	- 11	- 30	- 21
10 „	- 14	- 15	- 2	- 4	- 4	3	2	- 6	- 7	- 4	- 21	- 12
11 „	- 13	- 6	- 5	3	- 6	0	0	- 7	- 4	- 1	- 16	- 4

TABLE CXV.—*Excess of the Mean Hourly Force of Wind above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	-0·11	-0·08	-0·06	-0·01	-0·06	-0·08	-0·01	-0·13	-0·05	-0·11	-0·02	-0·12
1 A. M.	- ·10	- ·05	- ·11	- ·05	·04	- ·03	·12	- ·02	·06	- ·12	- ·04	- ·15
2 „	- ·10	- ·10	- ·12	- ·03	- ·03	- ·00	·02	·16	·08	- ·06	- ·04	- ·12
3 „	- ·08	- ·09	- ·15	- ·06	- ·14	- ·17	·18	·07	- ·05	- ·04	- ·00	- ·13
4 „	- ·10	- ·10	- ·16	- ·05	- ·12	- ·07	·17	·11	- ·07	- ·02	- ·01	- ·12
5 „	- ·10	- ·09	- ·09	- ·13	- ·14	- ·06	·24	·19	- ·04	- ·09	- ·03	- ·12
6 „	- ·12	- ·09	- ·16	- ·07	- ·15	- ·10	·50	·05	- ·06	·00	- ·01	- ·11
7 „	- ·11	- ·08	- ·15	- ·13	- ·16	- ·08	- ·10	·15	- ·01	- ·01	·02	- ·08
8 „	- ·10	- ·08	- ·15	- ·09	- ·06	- ·10	- ·15	- ·01	- ·02	·01	·06	- ·03
9 „	- ·07	- ·07	- ·14	- ·08	- ·14	- ·07	- ·01	- ·06	·06	- ·01	·19	·00
10 „	- ·09	- ·03	- ·12	- ·04	- ·08	- ·03	- ·11	·04	·04	- ·04	·07	·00
11 „	- ·02	- ·01	- ·04	- ·02	- ·05	- ·03	- ·05	·06	·08	- ·04	·02	- ·01
Noon.	·01	·07	·07	·05	·01	·00	- ·14	·00	·07	- ·03	- ·02	- ·04
1 P.M.	·05	·04	·18	·06	·02	- ·02	- ·05	·17	·08	·04	- ·08	·08
2 „	·16	·11	·24	·16	·14	·03	·05	·18	·05	·09	·05	·20
3 „	·23	·21	·24	·18	·14	·02	- ·10	·03	·05	·07	·03	·22
4 „	·30	·18	·19	·18	·18	·02	·13	- ·01	·03	·07	·01	·28
5 „	·16	·16	·17	·12	·14	·27	·03	- ·09	·07	·17	·01	·09
6 „	·15	·14	·17	·08	·14	·06	- ·02	- ·01	·06	·20	·02	·15
7 „	·15	·17	·14	·07	·21	- ·03	- ·25	- ·15	·08	·07	·02	·12
8 „	·14	·09	·13	·02	·20	·01	- ·29	- ·15	·00	·02	- ·02	·07
9 „	- ·02	- ·06	·03	·03	- ·02	- ·01	·02	- ·10	- ·06	- ·06	- ·03	- ·03
10 „	- ·08	- ·08	- ·07	- ·04	·02	- ·01	- ·13	- ·19	- ·04	- ·04	- ·08	- ·08
11 „	- ·10	- ·10	- ·04	- ·06	·00	- ·02	·02	- ·13	- ·02	- ·07	- ·04	- ·10

TABLE CXVI.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Azimuth of Wind, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Azimuth of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Azimuth of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	- 27°	+ 32°	- 59°	5 P. M.	10 A. M.
February	- 37	+ 32	- 69	4 „	8 „
March	- 60	- 28	- 32	3 „	9 „
April	- 71	- 29	- 38	1 „	8 „
May	-117	- 86	- 31	4 A. M.	4 P. M.
June	-107	- 76	- 31	9 „	Noon.
July	-108	- 91	- 17	4 „	Noon.
August	-114	- 98	- 16	1 „	6 P. M.
September	-106	- 80	- 26	8 „	3 „
October	- 35	+ 37	- 72	4 P. M.	11 A. M.
November	- 37	+ 65	-102	5 „	10 „
December	- 44	+ 43	- 87	4 „	10 „

TABLE CXVII.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Force of Wind without regard to its directions, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Force of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Force of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	lbs.	lbs.	lbs.	H.	H.
January	0·50	0·08	0·42	4 P. M.	6 A. M.
February	·39	·08	·31	3 „	4 „
March	·48	·08	·40	3 „	6 „
April	·37	·06	·31	3 „	7 „
May	·55	·18	·37	7 „	7 „
June	·53	·16	·37	5 „	6 „
July	1·05	·26	·79	6 A. M.	8 P. M.
August	0·66	·28	·38	5 „	10 „
September	·25	·10	·15	Uncertain.	4 A. M.
October	·36	·04	·32	6 P. M.	1 „
November	·34	·07	·27	9 A. M.	1 & 10 P. M.
December	·46	·03	·43	4 P. M.	1 A. M.

TABLE CXVIII.—*Effect of the Different Winds on the Height of Standard Barometer No.* 58, *corrected for Temperature, and on the Temperature of External and Free Air, in each Month of the Year* 1858.

Months, 1858.	N.		NE.		E.		SE.		S.		SW.		W.		NW.	
	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.
	in.		in.		in.		in.		in.		in.		in.		in.	
January ..	29·918	235·6	29·950	70·5	30·007	16·0			29·903	1·0	29 900	4·0			20·909	143·5
February...	·997	173·5	·997	52·5	29·966	26·5	29·913	2·0			·925	6·5	29·880	16·0	·934	176·5
March....	·853	87·0	·885	18·5	·885	27·0	·878	18·0	·866	29·0	·844	46·5	·835	55·0	·839	243·0
April	·788	65·0	·812	29·0	·841	20·0	·795	12·5	·815	12·5	·813	47·0	·794	133·5	·783	197·5
May	·700	40·0	·779	1·0	·757	4·5	·640	24·5	·590	76·0	·659	137·5	·716	89·5	·692	179·0
June	·617	12·0	·712	5·5	·733	26·0	·750	12·5	·674	21·0	·692	117·0	·697	270·0	·686	102·0
July	·646	4·0	·624	6·5	·779	2·5	·579	0·5	·580	13·0	·670	127·0	·705	411·5	.682	50·5
August ..									·694	3·0	·730	209 0	·713	368·5	·685	12·5
September.	·778	13·5	·887	5·5	·926	2·0	·859	4·0	·802	19·5	·796	122·5	·762	244·0	·805	77·0
October ..	·809	93·0	·865	86·5	·866	60·5	·819	23·0	·789	23·5	·797	13·0	·779	15·5	·800	148·0
November..	·943	53·5	·954	148·5	·963	57·5	·885	18·0					·917	7·0	·811	124·5
December..	·956	115·5	·975	110·0	·949	39·0			·927	9·0	·880	1·5	·920	21·5	·946	129 0
January ..	72°1	235·0	74°8	70·5	76°6	16·0			72°2	1·0	72°8	4·0			76°6	143·5
February..	74·3	173·5	74·9	52·5	73·5	26·5	71°9	·0			82·5	6·5	80°4	16·0	77·1	176·5
March....	77·7	87·0	78·1	18·5	77·9	27·0	78·0	18·0	80·9	29·0	83·7	46·5	83·3	55·0	80·5	243·0
April	86·0	65·0	82·3	29·0	84·0	20·0	84·0	12·5	83·4	12·5	84·9	47·0	86·5	133·5	86·1	197·5
May	89·3	40·0	86·2	1·0	81·2	4·5	82·1	24·5	84·0	76·0	86·7	137·5	87·0	89·5	88·2	179·0
June	79·7	12·0	80·9	5·5	82·3	26·0	82·9	12·5	82·8	21·0	82·6	117·0	81·3	270·0	84·4	102·0
July	81·2	4·0	80·0	6·5	80·0	2·5	80·7	0·5	79·7	13·0	80·9	127·0	83·4	411·5	81·0	50·5
August ..									77·7	3·0	80·6	209·0	80·2	368·5	79·8	12·5
September.	79·3	13·5	80·3	5·5	81·7	2·0	83·1	4·0	82·4	19·5	80·9	129·5	80·9	244·0	81·4	77·0
October ..	81·5	93·0	81·1	86·5	83·5	60·5	80·6	23·0	79·5	23·5	81·6	13·0	85·1	15·5	83·8	148·0
November..	77·2	53·5	77·3	148·5	80·4	57·5	77·4	18·0					83·7	7·0	82·5	124·5
December..	73·7	115·5	74·2	110·0	79·1	39·0			76·0	9·0	77·7	1·5	81·6	21·5	79·2	129·0

q—1858.

TABLE CXIX.—*Effect of the Different Winds on the Temperature of Wet Bulb Thermometer, and on the Pressure of supposed Dry Air, in each Month of the Year* 1858.

Months, 1858.	N.		NE.		E.		SE.		S.		SW.		W.		NW.	
	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.
January ..	66°3	235·0	67°3	70·5	67°2	16·0			71°8	1·0	70°6	4·0			64°1	143·5
February..	68·2	173·5	67·6	52·5	68 3	26·5	68°8	2·0			74·3	6·5	73°3	16·0	70·8	176·5
March....	71·4	87·0	72·1	18·5	73·7	27·0	74·8	18·9	77·4	29·0	77·3	46·5	75·7	55·0	73·8	243·0
April	76·3	65·0	76·0	29·0	76·8	20·0	79·7	12·5	77·9	12·5	78·4	47·0	79·8	133·5	79·1	197·5
May	81·5	40·0	81·5	1·0	78·5	4·5	78·7	24·5	79·1	76·0	80·9	137·5	80·6	89·5	81·5	179·0
June	77·9	12·0	78·2	5·5	79·3	26·0	79·8	12·5	79·5	21·0	77·9	117·0	79·2	270·0	78·7	102·0
July	79·2	4·0	78·6	6·5	79·2	2·5	80·0	0·5	79·0	13·0	78·8	127·0	81·1	411·5	78·9	50·5
August ..									77·4	3·0	77·8	209·0	78·1	368·5	77·7	12·5
September.	76·8	13·5	78·4	5·5	80·2	2·0	79·8	4·0	77·9	19·5	77 4	129·5	75·6	244·0	77·3	77·0
October ..	77·7	93·0	74·4	86·5	77·7	60·5	77·0	23·0	75·0	23·5	75·3	13·0	77·0	59·5	78·7	148·0
November .	71·8	53·5	69·6	140·5	71·2	57 5	74·4	18·0					75·6	7 0	75·1	124·5
December .	69·1	115·5	68·8	110·0	69·9	39·0			72·6	9·0	72·2	1·5	73·0	21·5	72·2	129·0
	in.		in.		in.		in.		in.		in.		in.		in.	
January ..	29·331	235·0	29·335	70·5	29·435	16·0			29·137	1·0	29·184	4·0			29·214	143·5
February..	·327	173·5	·272	52·5	·332	26·5	29·248	2·0			·154	6·5	29·146	16·0	·253	176·5
March....	·194	87·0	·173	18·5	·111	27·0	·069	18·0	28·982	29·0	28·997	46·5	28·986	55·0	29·086	243·0
April	28·985	65·0	28·989	29·0	28·995	20·0	28·846	12·5	·936	12·5	·925	47·0	·908	133·5	28·887	197·5
May.....	·735	40·9	·781	1·0	·830	4·5	·718	24·5	·650	76·0	·691	137·5	·760	89·5	·706	179·0
June	·699	12·0	·612	5·5	·786	26·0	·789	12·5	·721	21·0	·755	117·0	·777	270·0	·783	102·0
July	·687	4·0	·679	6·5	·619	2·5	·583	0·5	·617	13·0	·722	127·0	·752	411·5	·719	50·5
August ..									·777	3·0	·824	209·0	·802	368·5	·775	12·5
September.	·904	13·5	·947	5·5	·935	2·0	·899	4·0	·890	19·5	·915	129·5	·887	244·0	·896	77·0
October ..	29·001	93·0	29·041	86·5	29·025	60·5	·858	23·3	·851	23·5	·740	13·0	·823	15·5	·972	148·0
November .	·228	53·5	·315	140·5	·306	57·5	29·080	18·0					29·131	7·0	29·111	124·5
December..	·295	115·5	·329	110·0	·326	39·0			29·174	9·0	29·166	1·5	·176	21·5	·222	129·0

TABLE CXX.—*Effect of the Different Winds on the Extent of Clouds, and on the fall of rain registered by Newman's Gauge, in each Month of the Year* 1858.

Months, 1358.	N.		NE.		E.		SE.		S.		SW.		W.		NW.	
	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.	Mean.	Observations.
January ..	3·3	17·5	4·3	31·0	1·5	2·0			2·5	1	1·8	3·0			3·7	51·5
February..	2·3	19·5	2·7	13·0	4·5	16·5					2·8	5·0	2·5	12·0	2·9	46·5
March....	3·4	49·5	3·1	11·0	4·1	15·5	3·6	11·5	2·4	7·5	2·1	18·5	3·1	6·5	3·4	95·0
April	3·6	42·0	5·2	22·0	5·2	15·0	4·6	8·0	2·9	5·5	3·2	31·5	3·0	46·0	3·5	132·0
May.....	5·1	41·0	5·0	1·0	7·2	4·5	5·7	24·5	5·5	75·0	5·0	137·5	4·3	89·5	4·8	180·0
June	7·6	13·0	7·1	5·5	5·9	26·0	6·6	12·5	7·3	21·0	7·3	125·0	4·7	284·0	5·0	100·0
July.....	6·7	3·5	7·5	6·5	5·2	2·5	8·0	0·5	7·9	13·0	5·9	130·5	6·7	401·0	6·6	48·5
August ..									6·8	3·0	7·2	221·5	6·8	356·0	8·0	12·5
September.	7·4	13·0	5·5	5·5	6·5	1·0	4·6	4·0	5·7	18 5	6·2	130·0	5·8	244·0	5·0	73·0
October ..	4·0	57·0	3·6	32·0	5·2	33·0	6·5	20·0	7·2	23·5	7·2	12·5	4·5	14.0	4·0	73·0
November .	3·2	19·0	3·5	39·0	3·5	22·5	7·0	13·0					4·0	2·5	3·9	39·8
December .	3·9	52·0	4·2	65·0	3·1	20·0			3·1	8·0	2·0	1·0	5·7	14·5	4·4	63·5
	in.		in.		in.		in.		in.		in.		in.		in.	
January ..																
February..																
March....																
April	0·010	0·5													0·120	2·5
May	0·100	1·0					0·070	1 5	0·050	1·0	0·050	2·0	0·060	1·5	0·020	1·0
June	0·675	10·0	0·145	1·5	0·170	3·5	0·135	2·0	0 540	5·0	3·495	29·0	6·195	50·5	3·725	23·0
July	0·300	2·0	0·880	4·0					1·130	3·0	4·075	33·0	9·845	93·0	1·650	18·5
August ..									0·095	1·0	1·880	37·5	3·035	47·0	0·590	6·5
September.	1·470	4·5	0·020	1·0					0·100	1·0	0·285	5·5	4·370	23·0	1·865	11·0
October ..	0·020	1·0					0·020	1·0	0·280	8·0						
November .																
December .																

STATE OF THE WEATHER.

The Island of Bombay is so situated that half of its horizon is bounded by land and the other half by sea; from NW. to SE. horizon are the Malabar and other adjacent hills, and the Ghauts far inland; and from SE. to NW. is a perfect sea horizon.

The prevailing clouds at Bombay are, Cirri, Cirro-cumuli, Cirro-strati, Cumuli, Cumulo-strati, Nimbi, and the lower Mists. Their estimated heights and the times of their occurrence are given in the results of the preceding volumes.

TABLE CXXI.—*Mean Extent of Clouds in the Sky, the whole Sky being equal to* 8 *parts, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
	parts.	parts.	parts.	parts.	parts.	parts.	parts.	parts.	parts.	parts.	parts.	parts.
1				1·3	6·3	7·4	4·5		5·9	1·9		0·6
2			0·2			7·2	4·6	7·7	5·6	0·7		0·6
3			0·6	1·5	3·3	5·9	4·5	7·2	3·6	3·0		
4			0·4		5·4	4·6		7·6	3·8	3·0		0·2
5		0·1		0·8	4·8	2·9	5·3	7·5		4·7		
6		1·8	0·7	0·3	6·8		4·8	8·0	5·2	3·5		3·5
7	1·0				6·1	5·9	6·2	7·6	4·4	1·2		4·3
8	0·8		1·2	0·1	3·8	4·3	7·4		4·9	2·0		4·7
9			1·8	1·1	3·8	3·0	7·6	7·6	3·2	4·5		4·0
10			2·1	2·2		3·3	8·0	7·8	7·5			1·4
11		0·1	1·5	1·6	4·0	2·4		7·8	8·0	5·0		1·1
12		0·5	2·0		3·6	2·8	7·4	6·8		5·5		
13	2·3		3·3	0·7	4·5		7·5	6·7	7·8	7·3		
14	5·3		2·8	0·8	4·0	3·6	8·0	7·5	7·5	7·5		
15	2·3	0·1		1·2	7·0	3·2	8·0		6·6	6·6		0·8
16			2·7	1·0		2·7	8·0	6·6	5·5	5·8	0·3	1·4
17			4·5	0·8	7·0	2·6	8·0	6·5	5·7			3·5
18		0·9	5·7		5·5	4·3		6·3	6·0	6·8		
19		2·8	3·6	4·4	4·9	6·6	5·1	6·7		4·1	0·5	
20			0·5	4·4	5·4		6·6	7·6	4·0	1·3	4·6	
21				5·4	3·8	6·9	7·6	7·5	5·6			
22		1·7		2·8	7·7	7·8	6·9		6·0		2·3	
23	0·3	3·2		2·9		7·8	6·3		7·5		5·5	
24		3·1		4·6		8·0	6·0	7·4	7·1		7·7	
25	5·8	1·0	0·3		3·6	8·0		7·3	6·1		6·2	
26	1·5		1·4	3·8	4·0	8·0	7·9	7·3		0·6	3·7	
27	0·1	2·5		4·7	3·7		8·0	7·2	6·6	0·6	0·8	4·8
28	0·3	2·8		5·7	3·5	7·0	7·9	5·3	7·2		0·8	6·0
29	0·6		0·4	6·0	5·6	6·6	7·8	6·2	3·2			5·5
30	2·7		1·2	5·6	7·0	7·8	6·9		1·9			6·1
31			1·9				6·0	8·0				7·4

TABLE CXXII.—*Showing, for each Month, the Mean Portion of the Cloudy Sky, and its Difference from the Mean of the last Twelve Years.*

Months, 1858.	Mean Extent of Cloudy Sky.	Difference from the Mean of the last Twelve Years.	FOR SEASONS.	
January	0°9	− 0°6		
February	0·9	− 0·3	Mean of { Jan. Feb. March, Oct. Nov. Dec. } or Winter	1°6
March	1·5	0·0		
April	2·5	0·6	Mean of { April, May, June, July, Aug. Sept. } or Summer ..	5·4
May	5·0	1·7		
June	5·4	− 1·0	Mean of the year	3·5
July	6·7	− 0·5		
August	7·2	0·2	Greatest monthly mean, in July.....	7·2
September	5·6	− 0·1	Least monthly mean, in Jan. and Feb.	0·9
October	2·8	− 0·5		
November	1·4	− 0·3	Difference....	6·3
December	2·2	0·8		

TABLE CXXIII.—*Mean Portion of Cloudy Sky, the whole Sky being equal to 8 parts, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0·7	0·6	1·3	2·4	5·7	5·8	6·8	6·8	5·9	3·6	1·3	1·0
1 A. M.	0·6	0·9	1·5	2·8	5·8	5·0	6·3	7·2	5·7	2·8	1·3	1·3
2 „	0·5	0·8	2·0	3·0	5·9	4·8	6·5	7·2	5·4	2·7	1·3	1·2
3 „	0·4	0·8	2·0	3·0	5·6	4·6	6·5	7·3	5·2	2·8	1·3	1·1
4 „	0·5	1·0	1·6	3·3	5·0	5·0	6·3	7·1	5·5	2·7	1·3	1·5
5 „	0·7	0·9	2·2	4·1	5·6	5·9	7·0	7·8	5·1	2·4	1·4	1·9
6 „	1·2	1·1	2·5	3·8	5·6	6·0	6·9	7·3	5·7	3·4	1·3	2·8
7 „	1·5	1·1	2·6	4·0	5·3	6·2	7·1	7·4	6·2	3·0	1·4	3·1
8 „	1·2	1·2	2·0	3·2	5·4	6·0	6·9	7·5	6·2	2·5	1·6	3·0
9 „	1·0	0·9	1·8	2·6	5·0	5·9	6·9	6·9	6·1	2·7	1·6	3·0
10 „	0·8	0·7	1·4	2·3	4·5	5·8	7·1	7·1	5·9	2·4	1·4	2·8
11 „	0·8	0·7	1·4	2·0	4·2	5·6	7·1	6·8	5·7	2·1	1·4	2·5
Noon.	0·7	0·7	1·3	1·6	4·0	5·8	7·0	7·1	5·7	2·0	1·3	2·8
1 P. M.	1·4	0·8	1·2	1·7	3·7	5·7	6·9	7·3	5·2	1·9	1·4	2·8
2 „	1·2	0·7	1·4	1·9	4·1	5·6	6·8	7·2	5·3	2·0	1·4	2·9
3 „	1·1	0·9	1·3	2·0	4·0	5·2	6·7	7·4	5·3	2·2	1·5	2·9
4 „	1·2	0·8	1·2	2·1	4·2	5·2	7·0	7·4	5·6	2·6	1·5	2·9
5 „	0·9	1·1	1·3	1·6	4·6	5·3	6·9	7·1	5·9	3·7	1·5	3·0
6 „	0·9	1·1	1·5	1·9	4·6	5·6	6·9	7·2	6·0	3·3	1·7	2·5
7 „	0·7	1·0	1·3	2·2	5·5	5·5	6·7	7·5	5·6	2·9	1·5	1·7
8 „	0·8	0·9	0·8	1·9	4·3	4·8	6·1	6·7	5·1	3·6	1·4	1·6
9 „	0·9	0·7	0·7	2·3	5·2	4·6	6·0	8·6	5·7	3·4	1·3	1·3
10 „	0·9	0·8	0·9	2·6	6·0	4·9	6·1	7·1	5·6	3·2	1·4	1·2
11 „	0·8	0·5	1·4	2·6	5·9	4·9	6·9	7·2	5·6	3·0	1·3	1·3

TABLE CXXIV.—*Showing, for the Year* 1858, *the Mean Portion of Cloudy Sky (the whole Sky being* = 8*) for each Hour of Bombay Civil Time; and also its Diurnal Changes from the Mean.*

Bombay Civil Time.	Mean Portion of Cloudy Sky.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	3·5	0·0
1 A. M.	3·4	− 0·1
2 „	3·4	− 0·1
3 „	3·4	− 0·1
4 „	3·4	− 0·1
5 „	3·9	0·4
6 „	4·0	0·5
7 „	4·1	0·6
8 „	3·9	0·4
9 „	3·7	0·2
10 „	3·5	0·0
11 „	3·4	− 0·1
Noon.	3·3	− 0·2
1 P. M.	3·3	− 0·2
2 „	3·4	− 0·1
3 „	3·4	− 0·1
4 „	3·5	0·0
5 „	3·6	0·1
6 „	3·6	0·1
7 „	3·5	0·0
8 „	3·2	− 0·3
9 „	3·2	− 0·3
10 „	3·4	− 0·1
11 „	3·4	− 0·1

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night	3·4
Mean of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1, 2, 3, 4, 5, P. M.} or Day.....	3·6
Mean.....	3·5

The times of maximum and minimum are not constant, consequently they are not given here.

TABLE CXXV.—*Showing, for the Year* 1858, *the Hours of Bombay Civil Time, at which the Mean Extent of Clouds in the Sky, in each Month, was at its Maximum and Minimum.*

Months, 1858.	The Mean Hourly Extent of Clouds in the Sky.		Mean Diurnal Range.	The Time at which the Mean Hourly Extent of Clouds was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
January	1·5	0·4	1·1	7 A. M.	3 A. M.
February	1·2	0·5	0·7	8 „	11 P. M.
March	2·6	0·7	1·9	7 „	9 „
April	4·1	1·6	2·5	5 „	Noon & 5 P.M.
May.....	6·0	3·7	2·3	10 P. M.	1 „
June.....	6·2	4·6	1·6	7 A. M.	3 A. M. & 9 „
July.....	7·1	6·0	1·1	7,10,&11 A. M.	9 „
August	7·8	6·7	1·1	5 „	8 „
September	6·2	5·1	1·1	7 & 8 „	5 A.M. & 8 „
October	3·7	1·9	1·8	5 P. M.	1 „
November	1·7	1·3	0·4	6 „	Uncertain.
December	3·1	1·0	2·1	7 A. M.	Midnight.

TABLE CXXVI.—*Fall of Rain in inches by Newman's Rain Gauge, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
				in.	in.	in.	in.	in.	in.	in.		
1						1·58	0·14	0·02	0·48			
2						1·59	0·23	1·13				
3								0·67				
4							0·02	1·36				
5							0·02	0·63				
6						0·37	0·09	0·13				
7						0·88	1·58	0·13				
8							0·73	0·06	0·02			
9							2·60	0·00				
10							0·46	0·31	0·03	1·99		
11							1·02	0·17	6·15			
12							0·30	0·02	5·46			
13						0·08	3·71	0·27	0·25	0·03		
14						0·01	0·27	0·01	0·89	0·30		
15					0·24		1·29	0·10	0·06			
16					0·04		2·59	0·10		0·25		
17							0·96	0·07	0·18	0·58		
18							0·32	0·01	0·09	0·07		
19						0·15	0·19	0·14	1·30			
20						0·56	0·04	0·03				
21						0·14	0·17	0·06	0·07			
22				0·09	0·09	0·51	0·34	0·19	0·02			
23						0·08	0·06	0·60	0·02			
24					0·60	2·05	0·32	0·56				
25						3·28	0·20	0·20	0·04			
26						1·44	1·14	0·14	0·28			
27						0·32	0·72	0·09				
28						0·61	0·24	0·00	0·13			
29					0·04	0·19	0·08	0·00				
30				0·06		0·60	0·22	0·00				
31					0·60		0·07	0·28				

TABLE CXXVII.—*Showing, for each Month, the Fall of Rain as measured by Newman's Rain Gauge, and the Number of Rainy Days in each Month.*

Months, 1858.	Fall of rain by Newman's Gauge.	Number of Rainy Days.	FOR SEASONS.	
	in.	in.		
January				in.
February				
March			Sum of { Jan. Feb. March, Oct. Nov. Dec. } or Winter..	59·23
April	0·15	2		
May	1·57	6		
June	14·44	18		
July	20·12	30	Sum of { April, May, June, July, Aug. Sept. } or Summer.	3·22
August	7·48	26		
September	15·47	17	Total fall in the year.....	62·45
October	3·22	6		
November				
December				

TABLE CXXVIII.—*Fall of Rain by Newman's Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
Midnight.				0·07	0·04	1·78	1·27	0·07	0·07	0·08		
1 A. M.				0·02	0·15	0·64	1·11	0·26	0·28	0·02		
2 „					0·44	0·27	0·87	0·38	0·40	0·07		
3 „					0·03	0·08	0·97	0·57	0·07	0·12		
4 „						1·02	1·07	0·21	0·33	0·23		
5 „					0·02	0·87	0·55	0·18	0·24	0·02		
6 „						0·42	0·50	0·31		0·01		
7 „						0·95	0·12	0·26	1·03			
8 „					0·57	0·44	0·22	0·12	0·42			
9 „					0 07	0·74	0·77	0·74	0·96			
10 „					0·01	0·67	0·36	0·51	1·07			
11 „						0·48	0·33	0·49	1·35			
Noon.						0·15	0·64	0·72	1·55			
1 P. M.						0·41	0·80	0·37	0·42			
2 „						0·04	1·36	0·29	0·88			
3 „						1·34	1·96	0·19	1 66			
4 „						1·46	1·42	0·25	0·77			
5 „				0·04		0·52	0·51	0·61	0·92			
6 „				0·02		0·63	0·35	0·39	0·80	1·30		
7 „						0 33	0·74	0·03	0·61	0·23		
8 „					0·10	0·13	0·76	0·02	0·47	0·51		
9 „					0·05	0·21	0 82	0·39	0·23	0·55		
10 „					0·05	0·36	1·72	0·02	0·79	0·05		
11 „					0·04	0·50	0·90	0·10	0·15	0·03		

TABLE CXXIX.—*Fall of Rain in inches by Osler's Rain Gauge, for each Day of Bombay Civil Time.*

Date, 1858.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1						1·53	0·14	0·02	0·52			
2						1·58	0·18	1·13				
3								0·66				
4							0·02	1·49				
5							0·02	0·62				
6						0·34	0·09	0·12				
7						0·89	1·55	0·14				
8							0·72	0·06	0·05			
9							2·54					
10							0·43	0·33	0·04	2·11		
11							1·03	0·16	6·67			
12							0·29	0·02	5·46			
13						0·10	3·72	0·28	0·33	0·03		
14						0·02	0·27	0·01	0·91	0·25		
15					0·26		1·26	0·09	0·07			
16					0·04		2·64	0·10		0·25		
17							0·91	0·12	0·18	0·61		
18							0·28	0·06	0·09	0·08		
19						0·14	0·21	0·13	1·43			
20						0·57	0·04	0·04				
21						0·13	0·17	0·06	0·09			
22				0·10	0·10	0·45	0·31	0·19	0·03			
23						0·06	0·07	0·62	0·02			
24					0·56	2·00	0·33	0·61				
25						3·39	0·20	0·23	0·04			
26						1·44	1·15	0·16	0·31			
27						0·26	0·81	0·16				
28						0·62	0·27		0·12			
29						0·21	0·08					
30				0·10		0·58	1·19					
31					0·61		0·11	0·28				

TABLE CXXX.—*Showing, for each Month, the Fall of Rain as measured by Osler's Rain Gauge, and the Number of Rainy Days in each Month.*

Months, 1858.	Fall of Rain by Osler's Gauge.	Number of Rainy Days.	FOR SEASONS.
	in.		
January			
February			
March			in.
April	0·20	2	Sum of {Jan. Feb. March, Oct. Nov. Dec.} or Winter .... 3·33
May	1·57	6	
June	14·34	18	Sum of {April, May, June, July, Aug. Sept.} or Summer .... 60·06
July	19·97	30	
August	7·89	26	
September	16·09	17	Total fall in the year ..... 63·39
October	3·33	6	
November			
December			

TABLE CXXXI.—*Fall of Rain by Osler's Rain Gauge, in each Month, for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
				in.	in.	in.	in.	in.	in.	in.		
Midnight.				0·08	0·04	1·02	1·22	0·15	0·05	0·08		
1 A. M.				0·02	0·15	0·88	1·10	0·25	0·24	0·02		
2 „					0·45	0·58	0·82	0·38	0·37	0·07		
3 „					0·03	0·20	0·97	0·61	0·50	0·12		
4 „						0·99	1·08	0·05	0·14	0·20		
5 „					0·02	0·86	0·57	0·36	0·13	0·01		
6 „						0·42	0·51	0·39				
7 „						0·93	0·13	0·31	1·06			
8 „					0·54	0·42	0·24	0·18	0·43			
9 „					0·06	0·72	0·90	0·74	0·94			
10 „					0·02	0·77	0·17	0·49	1·21			
11 „						0·47	0·40	0·57	1·27			
Noon.						0·15	0·64	0·71	1·70			
1 P. M.						0·49	0·81	0·35	0·37			
2 „						0·02	1·33	0·31	0·83			
3 „						1·00	1·96	0·23	1·93			
4 „						1·85	1·38	0·22	0·83			
5 „				0·05		0·48	0·47	0·60	1·06			
6 „				0·05		0·65	0·37	0·45	0·77	1·30		
7 „						0·32	0·68	0·03	0·70	0·26		
8 „					0·13	0·11	0·85	0·01	0·55	0·58		
9 „					0·02	0·23	0·84	0·37	0·21	0·60		
10 „					0·06	0·32	1·67	0·04	0·61	0·06		
11 „					0·05	0·46	0·86	0·09	0·19	0·03		

TABLE CXXXII.—*Showing, for the Year* 1858, *the Fall of Rain, for each Hour of Bombay Civil Time; as measured by Newman's and Osler's Rain Gauges.*

Bombay Civil Time.	Newman's Gauge.	Osler's Gauge.	FOR DAY AND NIGHT.
	in.	in.	
Midnight.	3·38	2·64	
1 A. M.	2·48	2·66	
2 „	2·43	2·67	
3 „	1·84	2·43	
4 „	2·86	2·46	
5 „	1·88	1·95	
6 „	1·24	1·32	
7 „	2·36	2·43	
8 „	1·77	1·81	
9 „	3·28	3·36	
10 „	2·62	2·66	
11 „	2·65	2·71	
Noon.	3·06	3·20	
1 P. M.	2·00	2·02	
2 „	2·57	2·49	
3 „	5·25	5·12	
4 „	3·90	4·28	
5 „	2·60	2·66	
6 „	3·49	3·59	
7 „	1·94	1·99	
8 „	1·99	2·23	
9 „	2·25	2·27	
10 „	2·99	2·76	
11 „	1·72	1·68	

	By Newman's Gauge.	By Osler's Gauge.
	in.	in.
Sum of {6, 7, 8, 9, 10, 11, P. M. / Midnt. 1, 2, 3, 4, 5, A. M.} or Night.	29·25	29·33
Sum of {6, 7, 8, 9, 10, 11, A. M. / Noon, 1 2, 3, 4, 5, P. M.}, or Day.	33·20	34·06
Total fall of rain during the year..	62·45	63·39

TIMES OF MEAN MAXIMUM AND MINIMUM.

Maximum fall of rain during the day-time.
Least fall of rain at night.

TABLE CXXXIII.—*Showing the Monthly Fall of Rain, as measured by several Rain Gauges kept in the Observatory during the Year* 1858.

Months, 1858.	By Newman's Gauge.	By Osler's Gauge.	By the Rain Gauge on the Ground floor of Astronomical Department.	Mean Fall from the Observations of the last Twelve Years.
	in.	in.	in.	in.
April	0·15	0·20	0·24	0·09
May	1·57	1·57	1·60	1·01
June.....	14·44	14·34	14·62	23·38
July	20·12	19·97	22·49	23·99
August.....	7·48	7·89	8·48	9·07
September	15·47	16·09	16·73	10·14
October	3·22	3·33	3·53	2·13
Fall of rain in the year ..	62·45	63·39	67·69	69·81

TABLE CXXXIV.—*Showing the Number of Days on which were observed the Occurrences of such Phenomena as come under head "Weather." Sundays were omitted in these calculations.*

Months, 1858.	Entire Cloudless Days.	Almost cloudless Days.	Lightning and Thunder both. Number of Days.	Lightning only. Number of Days.	Thunder only Number of Days.	Number of Rainy Days when the Fall of Rain was below 0·01 in.	Rainy Days when Fall was above 0·01 in.	Windy Days.
January	7	7	0	0	0	1	None.	8
February	2	2	0	0	0	1	None.	8
March	0	3	2	3	0	2	None.	9
April	0	1	4	3	0	2	2	5
May	0	0	4	15	0	8	4	9
June	0	0	5	9	0	8	14	9
July	0	0	1	4	1	1	26	18
August	0	0	0	0	0	3	22	18
September	0	0	0	0	0	3	14	2
October	0	7	9	3	0	3	5	5
November	2	11	0	2	0	1	None.	2
December	3	5	0	0	0	0	0	7
Sum	22	38	25	39	1	34	98	100
Excess in 1858 above the average of 5 Years	+ 3	+ 4	+ 8	+ 6	0	—	- 11	+ 8

It is to be understood that those days are only used on which the force of wind was above one pound, the extent of the clouds above $\frac{1}{10}$ of the whole sky.

SYNOPSIS OF THE WEATHER DURING THE YEAR 1858.

JANUARY.

From the beginning to the 12th instant the sky about the hor. was clouded with a few light cirri, from 13th to 15th the sky was partially clouded with cirri and cirro-cumuli; between 16th and 21st the days were all cloudless; after the 22nd the sky was more or less clouded by cirro-cumuli and cirri. On the night of the 25th the sky was clouded by nimbi, and light drops of rain fell from them at 7h. 53m. P. M.

FEBRUARY.

From the beginning to the 17th instant the days were almost cloudless, with the exception of a few cirro-cumuli observed on the 6th instant; after the 18th the sky was partially clouded with cirri and cirro-cumuli, but denser sorts of clouds in the morning. Rain fell on the 24th instant at about 7h. in the morning.

MARCH.

From the beginning to the 5th instant the sky remained almost cloudless, with the exception of a few cirri occasionally observed; between 6th and 20th the sky was clouded by cirri, cirro-cumuli, and nimbi, which appeared generally in the morning; slight storms occurred on the morning of the 13th and 19th, accompanied with lightning, thunder, and rain; from 21st to 24th it was almost cloudless; after the 25th instant, the sky was partially clouded with patches of nimbi and cirro-cumuli, moving generally N. Lightning was seen in E hor. on the nights of 13th, 16th, 17th, 18th, and 19th.

APRIL.

From the beginning to the 6th instant the sky was partially clouded with nimbi, cirro-cumuli, and cirri; a few patches of cirro-cumuli were only visible about hor. on the 7th and 8th; between 9th and 18th it was generally clouded with denser sorts of clouds during the night, and with lighter clouds or cirri during the day time; after the 18th instant, the ranges of cumuli were seen along the E hor. through which lightning sometimes proceeded; cirro-cumuli and nimbi were seen floating N. On the 21st, 22nd, 29th, and 30th the weather was stormy, accompanied with wind abnormal, light rain, thunder, and lightning.

Lightning.....	...17, 19,	20, 21, 22,	29, 30.
Thunder		21, 22,	29, 30.
Passing drops of rain.		21, 22,	24, 29, 30.

MAY.

During this month masses of cumuli were seen piled about the hor. through which lightning often proceeded; dense cirro-cumuli and nimbi were often observed moving landward. Two storm

occurred during this month, the first in the evening from N, and the second storm from N, in the morning.

Lightning	1, 3, 4, 5, 7, 9, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 29, 30.
Thunder	12, 15, 22,
Rain (light)	7, 9, 14, 15, 17, 22, 26,
Strong Wind	15, 16, 17, 18, 20, 21, 24, 27,

JUNE.

About the beginning of this month ranges of cumuli were seen along E hor. through which lightning and thunder often proceeded; the sky was more or less clouded with nimbi, and other clouds during this month. Thunder storms occurred about the beginning and close of this month. Rainy season regularly set in after the 18th instant.

Lightning	1, 2, 3, 9, 10, 12, 18, 19, 22, 23, 25, 29.
Thunder	1, 2, 25, 29.
Rain	1, 2, 3, 4, 6, 7, 13, 14, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.
Strong wind	22, 24, 25, 26, 27, 28, 29, 30.

JULY.

During the first half of this month the sky was clouded with nimbi, cirro-cumuli, and cirri; and in the latter half nimbi always prevailed. The fall of rain was a little lower than the average fall for this month.

Lightning	7, 8, 9, 10, 13,
Thunder	8, 9, 10, 13, 16,
Rain	1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31.
Strong wind	5, 6, 9, 10, 11, 12, 13, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29,

AUGUST.

During this month the sky was more or less clouded with nimbi and other clouds, the former kept continually moving landward. The amount of rain fallen in this month was about 2 inches lower than the average fall for this month.

Rain	1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 31.
Strong wind.	2, 4, 5, 6, 7, 8, 9, 10, 11, 15, 16, 17, 18, 19, 20, 21, 25, 26, 27.

SEPTEMBER.

During this month the sky was clouded with nimbi and cirro-cumuli, but the former more prevailed. Cirri were sometimes observed. Cumuli were observed in E. hor. on the 30th instant.

Rain	1, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 23, 25, 26, 28.
Strong wind	11, 12, 13.

The amount of rain fallen in this month was about 5 inches more than the average.

OCTOBER.

From the beginning of this month to the 20th instant cumuli were seen in long ranges along the E hor. through which lightning often proceeded. The sky was partially clouded with nimbi,

cirro-cumuli; and other clouds of higher elevation. After the 20th instant the denser clouds gradually gave way to cirri, which were seen scattered about during the remainder of this month. The stormy weather seems to have ended after the 19th instant.

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METEOROLOGICAL DISTURBANCE IN 1858.

Under this head are included all the storms, whether of wind, lightning, or thunder; extraordinary clouded state of the sky; great falls of barometer; or anything unusual in the state of the atmosphere.

Storms coming from different directions are attended with different phenomena, which are described in the preceding volumes.

The following are the Meteorological Disturbances which occurred during the year 1858:—

TABLE CXXXV.—*Showing the Days of Meteorological Disturbances, and the Different Phenomena which attended them, during the Year* 1858.

Month and Date.	Barometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
	Mean Daily Height.	Excess above the Average.	Mean Daily Temperature.	Excess above the Average.		Direction.	Maximum Force of Wind.	
	in.	in.					lbs.	
Jan. 12	29·854	− ·069	77°3	+ 3°8	unsteady.	usual.	0·2	Barometer low, and temperature high.
„ 25	·959	+ ·032	72·2	+ 1·7	high.	abnormal.	1·8	Sky clouded; light drops of rain at 11 P. M.
Feb. 5	·886	− ·047	73·2	+ 1·4	do.	usual.	0·8	Barometer low, and pressure of moisture high.
„ 17	·935	+ ·002	75·9	+ 0·4	unusual.	do.	0·6	Temperature high, and pressure of moisture unusual.
„ 24	·924	+ ·011	78·0	+ 1·2	low.	do.	0·2	Sky partially clouded; a few drops of rain in the morning.
March 5	·852	− ·029	76·2	+ 2·2	usual.	do.	2·3	Squally at noon from NW.
„ 13	·877	− ·019	81·1	+ 1·4	unusual.	do.	1·8	Lightning, thunder, rain, and fresh breezes in the morning.
„ 17 to 19	rising.	—	usual.	—	low.	abnormal.	0.6	Lightning in E hor.
April 7	29·724	− ·088	85·8	+ 2·6	unusual.	normal.	light.	Barometer low; temperature high.
„ 21	·833	+ ·059	86·4	+ 1·6	do.	abnormal.	1·5	Lightning, thunder, and easterly wind in the morning, with a few drops of rain.
„ 22	·870	·000	86·9	+ 2·1	do.	normal.	0·6	A thunder-storm at midnight, which lasted for one hour; lightning, thunder, and rain.
„ 24	·727	− ·035	usual.	—	do.	do.	0·5	Sky cloudy; a few drops of rain.
„ 29 & 30	rising.	—	87·0	+ 2·1	high.	abnormal.	1·5	Lightning, thunder, and rain, with cloudy sky.
May 7	29·689	− ·018	usual.	—	usual.	normal.	0·6	Cloudy sky; lightning after sunset, and rain in the morning.
„ 15	·615	− ·059	85·9	− 0·3	high.	do.	5·0	A thunder-storm after sunset; lightning, thunder, and strong winds.
„ 19 20	·517	− ·160	85·0	− 1·0	do.	do.	6·0	Cloudy sky; lightning in NE on the 19th, and in SW on the 20th instant.
„ 22	·603	− ·077	84·4	− 1·4	saturated.	variable.	1·2	A storm in the morning; lightning, thunder, and rain.

TABLE CXXXV.—(*continued.*)

Month and Date.	Barometer.		Temperature.		Pressure of Moisture.	Wind.		Remarks on the State of Weather.
	Mean Daily Height.	Excess above the Average.	Mean Daily Temperature.	Excess above the Average.		Direction.	Maximum Force of Wind.	
	in.	in.					lbs.	
June 1 & 2	29·780	+ ·094	81·6	− 3·8	high.	abnormal.	0·5	Two storms in the morning and evening; lightning, thunder, and rain.
„ 24 & 25	·558	+ ·131	79·0	− 4·6	saturated.	variable.	12·0	Wind-storms.
„ 29	·719	+ ·036	82·7	− 0·2	high.	monsoonish.	4·0	A thunder-storm.
July 8 to 10	·573	− ·101	80·0	− 2·1	high and usual.	abnormal.	5·5	Stormy weather; lightning, thunder, rain, and cloudy sky.
„ 13	·604	− ·066	78·4	− 3·0	do.	do.	3·0	Stormy weather; lightning, thunder, rain, and cloudy sky.
„ 16	·662	− ·006	78·9	− 2·3	do.	do.	8·0	Wind-storm; lightning, thunder, rain, and high winds.
„ 26	·661	− ·022	80·3	− 0·7	do.	W	6·0	High wind blowing.
Aug. 10	·638	− ·075	79·2	− 1·4	high.	W	4·0	Overcast with ⌇; occasional puffs of wind.
Sept. 11 to 13	·684	+ ·012	76·5	− 4·8	saturated.	monsoonish.	3·0	Heavy fall of rain, accompanied with smart gusts of wind.
„ 25	low.	—	usual.	—	low.	do.	0·3	Sky densely clouded.
Oct. 4 & 5	29·835	+ ·028	83·0	+ 2·0	high.	do.	—	Sky partially clouded; lightning and thunder after sunset.
„ 9 to 16	low and falling.	—	81·5	+ 0·3	unusual.	abnormal.	2·0	Stormy weather; lightning, thunder and rain at night.
„ 18	29·820	− ·012	80·6	− 0·5	do.	do.	2·0	Cloudy sky; lightning, thunder, and rain after sunset.
Nov. 9	·895	− ·011	79·9	+ 0·4	unusual	shifting.	0·3	A few ⌇ in hor. at noon.
„ 24 to 25	·861	− ·071	79·7	+ 1·7	low.	regular.	1·5	Sky densely clouded; lightning in hor. after sunset; a few drops of rain at 9 P. M. on the 24th.
Dec. 13	·881	− ·062	77·1	—	do.	regular.	0.5	Almost cloudless day.

The above table shows that the high temperature of air and abnormal wind attended with a falling barometer, is likely to be followed by a marked change in the weather in winter, but this is not the case in summer; for there are several instances given here in the rainy season, when the fall in temperature and barometer were followed by wind-storms. During the rainy season the distinguishing phenomena of the storms is supposed to be abnormal wind, cloudy sky, and apparent change in barometric pressure.

In winter, barometer rising and temperature rising is followed by heavy clouds in the sky.

Do. barometer low and temperature rising is followed by cloudy sky, lightning, thunder, and high wind.

In summer, barometer rising and temperature low is followed by stormy weather.

Do. barometer low and temperature low is followed by lightning, thunder, rain, and wind.

SUMMARY OF THE METEOROLOGICAL RESULTS.

BAROMETER.

It appears from the mean daily and monthly values of barometric heights for the last 12 years, that the normal height, though fluctuating, has generally a gradual fall from January to July, and a gradual rise from July to January. Barometer attains its highest readings when the sun enters Perigee, or when the temperature of air is actually at its minimum; and comes to its lowest readings when the sun enters Apogee; or when the temperature of air is greatest. It is therefore apparent that the mean changes in barometer are influenced by solar heat acting on the atmospheric air.

TABLE CXXXVI.—*Showing the Mean Monthly Height of Barometer for the last Twelve Years* 1847-58 (*inclusive*).

Months, 1858.	Mean Height of Standard Barometer, Number 58.												Sum.	Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.		
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
January	29·917	29·927	29·945	29·878	29·958	29·929	29·940	29·935	29·935	29·285	29·930	29·921	·400	29·933
February.....	·903	·916	·906	·927	·901	·903	·873	·921	·932	·922	·869	·939	·112	·909
March	·872	·830	·870	·885	·857	·829	·856	·885	·853	·135	·831	·852	·655	·855
April	·791	·770	·779	·817	·779	·794	·797	·792	·818	·787	·790	·798	·1112	·793
May.....	·722	·741	·714	·763	·739	·746	·775	·760	·787	·718	·735	·674	·474	·740
June.....	·621	·649	·624	·639	·631	·630	·644	·674	·663	·651	·640	·698	·564	·647
July.....	·651	·654	·672	·645	·598	·660	·673	·618	·658	·610	·649	·668	·556	·646
August.....	·707	·706	·700	·737	·697	·731	·742	·712	·743	·707	·681	·720	·183	·715
September	·748	·812	·727	·785	·782	·756	·793	·715	·787	·799	·811	·778	·893	·774
October	·825	·826	·841	·785	·828	·856	·854	·785	·826	·834	·857	·822	·339	·828
November	·892	·909	·889	·891	·838	·905	·863	·923	·939	·897	·918	·927	·1191	·899
December.....	·897	·921	·911	·949	·946	·923	·955	·933	·944	·932	·981	·944	·437	·936
Annual Mean ..	29·796	29·805	29·798	29·808	29·796	29·805	29·814	29·804	29·824	29·806	29·808	29·812	..	29·806

Probable error of annual mean ± 0·006 in.

The mean daily height of barometer never exceeds 30·10 inches, and never falls below 29·50 inches.

The difference between the mean daily heights of barometer, on two consecutive days, seldom exceeds 0·20 in.; the difference being generally less than 0·06 in.

The daily fluctuations of barometer in simple hourly observations range between 0·05 and 0·20 in. The daily ranges are larger in winter than in summer; there were many instances in which the range of barometer was greater than 0·10 in.

The maximum rise generally occurs one or two hours before noon and midnight; and the minimum fall occurs at about one or two hours before sunrise and sunset. The actual height of barometer is found to be larger at its morning maximum than at its evening maximum; and the height, generally lower in the evening minimum than in the morning minimum. The time of evening maximum remains pretty nearly constant. The height of barometer is least affected at sunrise and sunset, and most affected at mid-day.

If the mean height of barometer is to be determined from two observations taken daily, the hours best suited for this purpose will be 5 A. M and 10 P. M., 8 A. M., and 4 P. M., or from 6 A. M. only. The mean value found from any of these combinations will be correct within ± 0·02 in.

The N and E winds increase the barometric readings, and the S and W winds decrease them; this will be seen from Table CXVIII. of the Meteorological Results of this year.

TABLE CXXXVII.—*Showing the Excess of the Hourly Mean above the annual Mean Height of Barometer, during the last Twelve Years.*

Bombay Civil Time.	Excess in each Year.												Hourly Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
4 P. M.	-0·044	-0·047	-0·049	-0·048	-0·047	-0·049	-0·046	-0·042	-0·045	-0·047	-0·047	-0·044	29·760
5 „	- ·034	- ·041	- ·042	- ·042	- ·040	- ·043	- ·040	- ·036	- ·040	- ·041	- ·041	- ·040	·766
6 „	- ·025	- ·030	- ·030	- ·030	- ·029	- ·029	- ·029	- ·025	- ·028	- ·028	- ·029	- ·028	·778
7 „	- ·009	- ·012	- ·012	- ·012	- ·010	- ·013	- ·012	- ·009	- ·015	- ·004	- ·011	- ·009	·796
8 „	·006	·006	·007	·004	·007	·005	·005	·009	·004	·008	·007	·015	·813
9 „	·017	·019	·020	·018	·019	·020	·016	·020	·017	·022	·018	·019	·825
10 „	·020	·024	·024	·023	·022	·021	·020	·024	·020	·025	·023	·023	·828
11 „	·016	·016	·016	·016	·014	·016	·011	·018	·013	·016	·015	·015	·821
Midnight.	·002	·006	·003	·004	·003	·005	·003	·001	·001	·004	·004	·003	·809
1 A. M.	- ·013	- ·008	- ·009	- ·009	- ·010	- ·009	- ·009	- ·012	- ·013	- ·010	- ·011	- ·010	·796
2 „	- ·024	- ·020	- ·022	- ·021	- ·022	- ·011	- ·021	- ·025	- ·018	- ·022	- ·023	- ·021	·785
3 „	- ·030	- ·027	- ·029	- ·028	- ·029	- ·027	- ·028	- ·031	- ·031	- ·028	- ·026	- ·028	·778
4 „	- ·030	- ·027	- ·026	- ·026	- ·027	- ·026	- ·026	- ·031	- ·028	- ·026	- ·025	- ·026	·779
5 „	- ·018	- ·016	- ·016	- ·015	- ·016	- ·016	- ·023	- ·022	- ·019	- ·016	- ·016	- ·017	·790
6 „	·003	·001	·002	·000	·003	·003	- ·005	- ·002	·002	·002	·002	·003	·807
7 „	·027	·023	·024	·025	·024	·024	·023	·017	·025	·025	·023	·023	·830
8 „	·047	·046	·045	·046	·045	·045	·047	·042	·045	·046	·043	·043	·851
9 „	·057	·056	·057	·059	·058	·058	·059	·057	·058	·057	·055	·054	·863
10 „	·054	·055	·055	·057	·056	·057	·059	·056	·055	·051	·054	·052	·861
11 „	·039	·042	·041	·043	·042	·044	·045	·013	·044	·041	·043	·040	·848
Noon.	·019	·019	·018	·017	·020	·021	·022	·020	·020	·018	·018	·018	·825
1 P. M.	- ·006	- ·005	- ·007	- ·005	- ·005	- ·005	- ·004	- ·006	- ·005	- ·009	- ·007	- ·006	·801
2 „	- ·026	- ·026	- ·029	- ·028	- ·027	- ·026	- ·024	- ·027	- ·026	- ·029	- ·028	- ·027	·779
3 „	- ·039	- ·041	- ·043	- ·042	- ·041	- ·044	- ·039	- ·039	- ·042	- ·042	- ·043	- ·041	·765
Annual Mean.....	29·796	29·805	29·798	29·808	29·796	29·805	29·813	29·805	29·824	29·806	29·808	29·812	29·806

TEMPERATURE OF FREE AIR.

The mean daily temperature of air increases (though irregularly) from the middle of January to the end of May, or about the beginning of June; it is depressed a little in June, but in the next four months (July to October) remains nearly equal to the mean annual temperature; after the month of October, the temperature gradually decreases to the end of December.

TABLE CXXXVIII.—*Showing the Mean Temperature of External and Free Air for the last Twelve Years,* 1847-58 (*inclusive.*)

Months, 1858.	Temperature of External and Free Air.													
	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	Sum.	Mean.
January	75°2	75°5	73°3	72°4	72°2	71°9	71°6	75°8	74°7	76°4	74°7	73°3	47°0	73°9
February.....	73·7	75·1	75·8	75·1	75·5	75·8	76·4	75·0	77·0	77·1	77·7	75·2	69·5	75·8
March.....	79·4	78·7	79·2	79·3	79·8	80·1	81·6	80·3	79·2	81·5	81·8	80·0	0·9	80·1
April	82·1	83·1	82·1	82·0	83·3	83·2	83·5	84·0	82·0	84·7	83·1	84·4	37·5	83·1
May.....	85·9	84·6	85·2	84·4	84·7	86·3	86·9	86·9	86·0	86·1	86·1	86·2	67·3	85·6
June	81·0	81·5	81·3	83·8	82·5	83·9	84·0	84·2	83·8	83·0	83·4	84·6	37·0	83·1
July.....	80·4	81·3	80·1	81·7	80·1	82·0	80·5	80·4	82·0	81·0	82·1	81·2	12·8	81·1
August.....	79·8	80·2	80·1	81·0	79·9	80·4	80·8	81·4	82·1	80·6	79·3	80·5	6·1	80·5
September	78·9	81·0	78·8	80·7	80·4	80·6	80·7	80·9	81·0	80·1	79·0	80·5	2·6	80·2
October.....	82·1	80·9	81·2	83·0	81·6	82·1	82·0	81·7	82·6	80·9	80·5	81·3	19·9	81·7
November	75·9	79·3	81·3	79·9	79·5	80·2	80·6	79·8	80·6	79·0	77·4	79·1	112·6	79·4
December	75·7	76·6	76·5	75·8	75·0	75·7	76·9	77·3	77·7	75·0	73·9	75·5	71·6	76·0
Annual Mean..	79·0	79·8	79·6	79·9	79·5	80·2	80·5	80·6	80·7	80·7	79·9	80·1	..	80·0

Probable error of the annual mean ± 0°5.

The depression of temperature in the rainy season is supposed to be the effect of the dense clouds then prevalent in the sky; these clouds refract the solar rays, and do not allow the light to act freely on the air which extends between the clouds and the earth below. In order to find out some correction for the effects of clouds, all the observations of cloudless days during the last twelve years were found out, and the amount of differences between the mean temperature of cloudless and clear days ascertained for each month.

TABLE CXXXIX.—*Showing the Extreme Limits between which the Mean Daily Temperature of Air has Fluctuated, during the last Twelve Years* 1847-58 (*inclusive*).

Date.	January.		February.		March.		April.		May.		October.		November.		December.	
	Greatest.	Least.	Greatest.	Least.	Greatest.	Least.	Greatest.	Least.	Greatest.	Least.	Greatest.	Least.	Greatest.	Least.	Greatest.	Least.
1	77°6	72°3	76°7	75°3	79°9	77°5	80°7	80°7			°	°	81°1	81°1	78°3	74°8
2	77·5	73·7	77·3	62·6	81·8	77·2	80·8	80·8	84°7	83°8					76·3	73·8
3	76·8	74·5	77·6	73·9	80·7	76·9	81·8	81·8	85·7	83·9			81·3	80·2	78·5	73·3
4	76·6	73·5	76·1	73·9	79·9	78·4	80·9	80·9					81·2	79·5	79·8	74·3
5	75·5	73·0	74·3	73·9	79·8	75·6							82·5	79·3	80·0	76·3
6	73·5	72·5	77·1	67·1	79·9	77·6	83·8	81·0							78·3	78·3
7	74·1	71·2	78·7	71·9	80·1	78·1	85·8	83·3							79·0	76·8
8	72·8	72·8	75·6	72·0	82·3	76·8	83·9	82·1					81·9	80·1	76·9	72·8
9	72·3	72·3	76·3	72·8	82·7	80·6	83·2	83·2					80·8	74·4	77·4	72·6
10	76·6	68·1	76·4	73·9	82·8	78·8	82·1	82·1					80·2	74·9	76·9	73·1
11	75·4	75·4	77·5	73·8	78·7	78·7	84·1	84·1					81·5	75·4	75·5	75·1
12	77·3	76·3	78·9	74·3	82·9	75·4	82·6	82·6					81·2	77·1	79·1	73·0
13	70·5	70·5	78·6	73·8	79·5	79·4	82·6	82·2					79·8	77·8	78·9	74·8
14	69·9	69·9	77·5	73·4	79·5	78·5							79·1	77·0	77·3	74·4
15	71·6	69·4	77·5	72·3	78·2	78·2			83·8	83·8	80·2	80·2	78·6	76·5	76·9	74·1
16	77·0	65·9	76·6	72·3	80·4	80·4							82·7	76·5	75·6	73·1
17	76·7	65·9	78·8	73·8	79·6	77·8	84·1	84·1					80·0	76·1	76·6	72·9
18	75·6	69·2	78·3	74·5	85·2	78·9	85·3	85·3			81·7	81·7	78·1	75·6	76·5	71·7
19	76·0	69·9	80·9	71·9	84·9	80·1			85·9	85·9			79·8	76·5	76·5	70·8
20	77·0	65·6	79·3	72·2	83·7	79.8					84·8	84·8	79·6	76·4	76·0	73·9
21	76·2	67·5	79·4	74·9	83·6	80·7					81·1	81·1	77·0	76·2	76·4	74·0
22	72·3	66·7	77·7	76·8	83·7	76·7	82·7	82·7			80·6	80·6	76·4	76·4	77·7	73·8
23	76·4	66·9	79·3	76·3	83·7	80·5	82·4	82·4			81·1	80·4	76·8	75·1	78·9	73·7
24	76·7	67·0	80·3	73·6	84·4	80·9	86·7	86·7			81·3	80·2	80·3	75·5	76·0	73·3
25	76·6	67·5	78·0	76·9	82·6	82·6	84·1	84·1			82·2	79·4	78·9	72·0	73·8	73·6
26	77·5	76·0	80·7	76·2			85·5	85·5			81·8	77·7	81·0	74·0	81·0	73·3
27	75·6	72·1	79·9	75·7	81·9	81·5					79·2	79·2	82·1	73·9	78·7	75·6
28	75·5	70·9	80·2	73·3	82·7	81·3					80·3	79·2	77·5	71·4	77·1	73·7
29	75·2	68·7	79·2	74·2	82·7	82·7					80·2	78·7	75·8	74·5	77·6	73·5
30	75·0	69·1	..	..	83·0	79·5					80·4	79·1	76·6	75·3	75·6	73·3
31	76·9	69·5	..	..	83·9	81·0					82·0	80·6	...	..	75·2	72·7

TABLE CXL.—*Showing the Mean Temperature of External and Free Air, for every Day of Bombay Civil Time; as obtained from all the cloudless Days, during the last Twelve Years.*

Date.	January.		February.		March		April.		May.		October.		November.		December.	
	Mean Temperature.	No. Observations.	Mean Temperature.	No. Observations.	Mean Temperature.	No. Observations.	Mean Temperature.	No. Observations.	Mean Temperature.	No. Observations.	Mean Temperature.	No. Observations.	Mean Temperature.	No. Observations.	Mean Temperature.	No. Observations.
1	74°37	6	76°26	3	78·90	5	80°70	1	84°25				81·10	1	76·55	2
2	75·22	6	73·24	5	78·63	4	80·80	1	84·80	2					75·05	2
3	75·83	3	76·20	3	78·55	4	81·80	1		2			80·75	2	75·68	4
4	74·83	3	75·00	2	79·03	3	80·90	1					80·35	2	77·05	2
5	74·56	5	74·10	2	77·57	6							80·95	4	77·98	4
6	73·00	2	73·00	5	78·75	2	81·90	3							78·30	1
7	72·65	2	75·03	6	79·36	3	84·55	2							77·63	3
8	72·80	1	74·00	5	79·24	5	83·00	2					80·70	3	75·33	7
9	72·30	1	74·29	7	81·65	2	83·20	1					78·12	4	74·95	6
10	72·43	3	74·62	5	81·13	3	82·10	1					78·00	4	75·32	5
11	75·40	1	75·45	6	78·70	1	84·10	1					78·56	6	75·30	3
12	76·80	2	76·72	4	79·37	3	82·60	1					79·06	7	75·96	5
13	70·50	1	75·42	5	79·45	2	82·40	2					78·54	5	76·62	6
14	69·90	1	75·65	6	79·00	2			83·80				78·23	4	75·80	5
15	70·50	2	75·00	3	78·20	1				1	80·20	1	77·92	4	74·98	5
16	71·32	5	74·85	6	80·40	1							79·70	3	74·54	5
17	69·74	5	76·84	5	78·47	3	84·10	1					78·48	6	74·50	4
18	72·77	6	76·48	5	81·13	3	85·30	1	85·90		81·70	1	77·00	3	74·63	6
19	73·00	5	76·39	6	82·88	5				1			77·97	3	74·56	7
20	70·56	5	75·78	4	81·90	3					84·80	1	77·73	3	75·17	3
21	71·35	4	76·94	5	82·15	2					81·60	1	76·63	3	74·98	5
22	69·36	5	77·25	2	80·80	4	82·70	1			80·60	1	76·40	1	75·22	5
23	73·16	7	77·67	4	81·92	4	82·40	1			80·67	3	76·00	3	76·54	5
24	73·65	6	77·70	5	82·60	4	86·70	1			80·83	3	76·83	6	74·77	3
25	73·36	5	77·27	3	82·60	1	84·10	1			80·95	4	75·16	3	73·70	2
26	76·75	2	78·53	3			85·50	1			79·75	2	77·50	2	75·65	4
27	74·14	5	78·10	4	81·70	2					79·20	1	78·00	2	76·92	5
28	72·92	4	77·16	5	82·00	2					79·75	2	74·56	3	75·78	5
29	73·27	4	77·07	3	82·70	1					79·65	4	75·15	2	75·18	5
30	72·05	2	..	..	81·37	4					79·77	3	75·95	2	74·37	3
31	73·25	4	..	..	82·23	3					81·30	2	..	..	74·10	4

TABLE CXLI.—*Showing, for the 1st, 11th, and 21st of each Month, the Mean Temperature of Air, and the Declinations of the Sun, as obtained from the Observations of the last Twelve Years; all the Cloudless Days were only used in finding out these Results.*

Day and Month.		Mean Temperature of Air.	The Sun's Declination.	Number of Observation.	Probable error + or —	Day and Month.		Mean Temperature of Air.	The Sun's Declination.	Number of Observations.	Probable error + or —
January	1	75·18	S 23°0	49	1·9	May	1	84·52	N 15°0	5	0·7
,,	11	72·76	21·8	16	2·4	,,	11	83·80	17·8	1	
,,	21	71·94	19·9	53	4·4	,,	21	85·90	20·1	1	
February	1	74·11	17·1	36	2·8	October	1	..	S 3·2	..	
,,	11	74·88	14·1	52	2·5	,,	11	80·20	7·0	1	
,,	21	76·61	10·6	45	2·5	,,	21	81·21	10·7	14	1·1
March	1	78·13	7·5	37	2·1	November	1	80·25	14·4	23	1·1
,,	11	81·68	3·7	24	2·5	,,	11	78·61	17·4	37	2·2
,,	21	81·58	N 0·3	30	2·0	,,	21	77·32	19·9	34	2·0
April	1	81·65	4·6	16	0·9	December	1	76·35	21·8	25	2·3
,,	11	82·82	8·3	13	0·9	,,	11	75·73	23·0	46	2·0
,,	21	84·22	11·9	6	1·3	,,	12	74·92	23·3	45	1·8

Before finding out the necessary correction, it is to be found out what relation does the mean temperature of air, bear with the sun's declination, as the temperature of air is certainly effected by solar heat. The sun enters his Apogee and Perigee respectively about 1st of July and 1st of January. The greatest southerly declination of sun occurs about 22nd of December, and its declination is nearly 19° about the 1st of May.

TABLE CXLII.—*Showing the Greatest and Lowest Temperature of External and Free Air, with its relation to the Sun's Declination, during the last Twelve Years* 1847-58 (*inclusive*).

A. D.	Intervals between the Lowest Temperature Day, and the Time of the Sun's		State of Weather.	Interval between the Greatest Temperature Day, and the Time of the Sun's		State of Weather.
	Perigee.	Greatest Southerly Declination.		Apogee.	Declination 1854.	
	days.	days.		days.	days.	
1847	31	42	Cloudless sky.	37	9	Sky clouded with dense masses of clouds.
1848	36	47	Ditto.	37	9	Ditto ditto.
1849	17	28	Ditto.	30	17	Ditto ditto.
1850	31	42	Sky partially clouded on the 28th January.	26	21	Ditto ditto.
				28	19	Greatest temperature occurred on the 27th May and 3rd June.
1851	19	30	Cloudless sky.	21	26	Sky clouded with dense masses of clouds.
1852	21	32	Ditto.	24	23	Ditto ditto.
1853	23	34	Ditto.	28	19	Ditto ditto.
1854	32	43	Partially clouded.	29	18	Ditto ditto.
1855	17	28	Cloudless sky.	34	12	Ditto ditto.
1856	31	42	Partially clouded.	31	15	Ditto ditto.
1857	27	38	Cloudless sky.	17	30	Greatest temperature occurred on the 16th May and 14th June.
1858	26	37	Ditto.			

It appears from this table that the lowest temperature of air occurs about 37 days after the sun has attained its southerly declination, or about 26 after the sun had attained his Perigee; and highest mean temperature happens about 18 days after the sun's declining is 18°54′ N., or about 28 after he had entered in his Apogee; the time of the lowest temperature was more trustworthy than the time of the highest temperature, as the days on which it occurred were almost cloudless.

It follows therefore from this, that the calculated temperature of any day is to be reduced from the sun's declination taken about a month before the time specified: thus the temperature of 7th February will be reduced from the declination of sun of the 7th January.

The formula for reducing the temperature of air of any day is $t = c \pm md$, in which t is the temperature required; c constant value of temperature; d the declination of sun $+$ when N. and $-$ S.; and m is the co-efficient of reduction. The absolute values of c and m in the above formula were reduced from the values given in Table CXLI.; but as the values of t and d for 11th January are 72°76 and $-$ 23°0, and for 11th April 83°80 and $+$ 6°80, then the formula for 11th January $72{\cdot}76 = c - 23{\cdot}0m$; for 11th April, $83{\cdot}80 = c + 6{\cdot}8m$

By addition, $156{\cdot}56 = 2c - 16{\cdot}2m$

$$78{\cdot}28 = c - 8{\cdot}1m$$

By subtraction, $11{\cdot}16 = 29{\cdot}8m$

$$\therefore \quad m = \frac{11{\cdot}16}{29{\cdot}8} = 0{\cdot}37$$

as $c = 78{\cdot}28 + (0{\cdot}37)\ 8{\cdot}1$

$$= 81{\cdot}27$$

From the calculations of the other quantities given in the Table CXLI. the mean value of $c = 81{\cdot}0$ and $m = 0{\cdot}30$.

TABLE CXLIII.—*Showing the Monthly Observed and Calculated Values of Temperature of Air of all the Cloudless Days, and the Difference between them.*

Months, 1858.	Sun's Declination of the 15th of each Month.	Correction to 81°0 for Declination of sun.	Calculated Temperature of Air.	Mean Temperature observed of all the cloudless Days.	Difference of observed and Calculated Values.
January 15	S 21°09′	− 6°99	73·01	73·6	+ 0·5
February..... 15	S 12·43	− 6·33	74·67	75·9	+ 1·2
March 15	S 2·05	− 2·82	77·18	80·4	+ 3·2
April 15	N 9·48	− 0·62	80·38	82·8	+ 2·4
May..... 15	N 18·53	+ 3·94	83·94	84·7	+ 0·8
October 15	S 8·32	+ 0·90	81·90	81·2	− 0·7
November 15	S 18·32	− 2·56	78·44	78·0	− 0·4
December..... 15	S 23·18	− 5·56	75·44	75·4	0·0

It appears from the Difference column of this table, that the calculated values of temperature agree very well with the observed values in all the months except in March and April; this is supposed to be occasioned by the northern currents of air passing the deserts of Chinese Tartary and affecting the temperature of air at Bombay in those months in their disturbed state.

The subject of atmospheric temperature is so difficult for consideration that we are at a loss to see what elements and correction we are to bring into account.

Firstly.—The clouds affect the temperature.

Secondly.—Particular winds affect the temperature.

Thirdly.—The Position in which a thermometer is kept.

TABLE CXLIV.—*Showing the Sun's Declination, for each Month, and the Difference between the Calculated and Observed Temperature of External and Free Air.*

Month and Date.	Declination of the Sun on the 15th of each Month.	Calculated Temperature of Air.	Mean Temperature of Air obtained from the Observation of the last Twelve Years.	Difference between Calculated and observed Temperature.	State of the Temperature of Air.
January 15	S 21°09′	73°01	73°92	+ 0·91	Cold and dry.
February..... 15	S 12·43	74·67	75·80	+ 1·13	Partially cold.
March..... 15	S 2·05	77·18	80·08	+ 2·90	Hot.
April 15	N 9·48	80·38	83·13	+ 2·75	Hot and sultry.
May..... 15	N 18·53	83·94	85·61	+ 1·67	Do.
June 15	N 23·20	86·67	86·08	− 3·59	Hot and rainy.
July..... 15	N 21·32	88.00	81·07	− 6·93	Rainy days.
August..... 15	N 14·03	87·46	80·51	− 6·95	Do.
September 15	N 3·00	85·22	80·22	− 5·00	Do.
October 15	S 8·32	81·90	81·66	− 0·24	Hot and dry.
November 15	S 18·32	78·44	79·38	+ 0·94	Partially cold.
December 15	S 23·18	75·44	75·97	+ 0·53	Cold days.

It appears from this table that the observed temperature of air nearly corresponds with the calculated temperature, during the dry season, but in the rainy season it is much depressed below the calculated; this is the effect of the presence of heavy clouds in the SW. monsoon, which are always visible in the sky. The following numbers are to be used in correcting the temperature of air in the rainy season:—

June 1 = + 3°59	July 1 = + 6°93	Aug. 1 = + 6°95	Sept. 1 = + 5°00	Oct. 1 = + 0°24
„ 15 = + 5·26	„ 15 = + 6·94	„ 15 = + 5·98	„ 15 = + 2·62	„ 15 = − 0·03

TABLE CXLV.—*Showing, in each Month, the Azimuth and Force of Wind, and the Mean Temperature of Air of all the Cloudless Days, calculated for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.								
	January, Cloudless Days 13.			Febuary, Cloudless Days 11.			March and April, Cloudless Days 4.		
	Temperature of Air.	Azimuth of Wind.	Force of Wind.	Temperature of Air.	Azimuth of Wind.	Force of Wind.	Temperature of Air.	Azimuth of Wind.	Force of Wind.
			lbs.			lbs.			lbs.
Midnight.	68°85	- 9°	0·08	71°62	- 17°6	0·07	78°70	- 20°	0·22
1 A. M.	68·85	- 9	·12	70·55	- 17·6	·16	78·65	- 23	·25
2 „	68·23	- 10	·12	70·33	- 16·5	·07	78·40	- 20	·17
3 „	68·02	- 7	·16	69·90	- 17·6	·13	77·60	- 20	·12
4 „	67·56	- 1	·15	69·20	- 17·6	·12	77·05	- 17	·10
5 „	66·63	3	·12	68·23	- 14·5	·11	76·17	- 17	·05
6 „	66·08	11	·08	68·17	2·9	·08	75·65	- 3	·07
7 „	66·18	17	·09	68·61	20·7	·09	76·70	- 3	·10
8 „	69·50	20	·09	71·70	26·5	·10	80·10	17	·12
9 „	72·41	22	·10	74·91	22·5	·10	82·60	48	·15
10 „	74·74	23	·11	77·96	25·5	·14	84·97	47	·17
11 „	76·99	23	·15	79·94	22·5	·12	86·82	- 26	·45
Noon.	79·03	15	·17	81·85	2·9	·17	87·67	- 34	·77
1 P. M.	80·32	- 8	·28	82·45	- 16·5	·16	88·22	- 42	·92
2 „	81·05	- 14	·41	83·42	- 23·7	·24	88·52	- 34	1·18
3 „	80·90	- 13	·48	83·11	- 23·7	·35	88·32	- 39	0·95
4 „	80·11	- 16	·56	82·35	- 26·9	·32	87·70	- 42	·80
5 „	77·20	- 24	·40	80·60	- 24·9	·35	85·80	- 39	·78
6 „	74·84	- 24	·42	77·18	- 24·9	·35	83·20	- 36	·77
7 „	73·94	- 23	·44	75·86	- 27·0	·42	82·22	- 31	·77
8 „	73·11	- 23	·45	75·09	- 24·9	·31	81·72	- 31	·67
9 „	71·84	- 14	·22	74·31	- 23·8	·16	81·17	- 25	·68
10 „	70·10	- 13	·11	73·00	- 21·8	·15	79·90	- 20	·27
11 „	69·13	- 12	·05	72·48	- 18·3	·10	79·85	- 19	·30
Mean.	72·72	- 4	0·22	75·13	- 9·9	0·18	81·93	- 18	0·45

TABLE CXLVI.—*Showing, in each Month, the Azimuth and Force of Wind, and the Mean Temperature of Air of all the Cloudless Days, calculated for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1858.								
	October, Cloudless Days 6.			November, Cloudless Days 11.			December, Cloudless Days 8.		
	Temperature of Air.	Azimuth of Wind.	Force of Wind.	Temperature of Air.	Azimuth of Wind.	Force of Wind.	Temperature of Air.	Azimuth of Wind.	Force of Wind.
			lbs.			lbs.			lbs.
Midnight.	76°47	5°	0·02	74°55	6°	0·04	71°31	0°	0·06
1 A. M.	76·28	7	·00	74·35	14	·05	70·91	1	·01
2 „	76·12	37	·12	73·98	18	·06	70·52	1	·08
3 „	75·32	39	·12	74·23	32	·14	70·38	13	·08
4 „	74·60	43	·07	73·91	37	·16	69·83	15	·06
5 „	74·63	50	·05	73·41	50	·14	69·25	12	·05
6 „	74·03	58	·13	73·24	52	·17	68·91	14	·04
7 „	75·75	53	·18	74·75	57	·20	69·48	32	·08
8 „	77·82	60	·18	77·00	59	·23	72·96	48	·20
9 „	79·77	60	·15	79·24	65	·35	75·36	52	·21
10 „	81·98	58	·10	81·40	67	·23	77·22	60	·20
11 „	83·13	56	·08	83·55	65	·18	79·30	56	·22
Noon.	84·95	54	·07	85·56	56	·15	81·29	20	·18
1 P. M.	86·57	4	·13	86·45	31	·07	82·50	- 9	·40
2 „	87·18	5	·20	87·27	- 2	·08	82·63	- 23	·61
2 „	87·77	- 39	·18	87·29	- 16	·11	82·46	- 47	·59
4 „	87·27	- 51	·23	86·50	- 46	·15	81·66	- 42	·75
5 „	84·82	- 39	·50	83·35	- 44	·17	78·68	- 30	·38
6 „	82·32	- 30	·48	80·94	- 41	·15	76·69	- 24	·45
7 „	81·48	- 28	·27	80·00	- 35	·16	75·85	- 23	·45
8 „	80·55	- 25	·18	79·15	- 22	·14	74·68	- 20	·38
9 „	79·43	- 21	·12	77·95	- 16	·13	73·76	- 15	·24
10 „	77·92	- 13	·08	76·00	- 9	·08	72·48	- 11	·20
11 „	77·18	- 4	·03	74·62	- 6	·03	71·45	- 6	·14
Mean.	80·14	+ 12	0·15	79·11	+ 15	0·14	74·98	+ 2	0·25

It will be seen from the preceding two tables, that the rising temperature of air has tendency to change the direction of wind westward, and the falling temperature has the effect of changing the winds' direction eastward. The changes in temperature of air and wind are not simultaneous; the change of wind is observed about three or four hours and sometimes five hours after the change in the temperature of air.

TABLE CXLVII.—*Showing the Maximum and Minimum Temperature of Air, as well as the Maximum and Minimum Azimuth of Wind, in the last two Tables.*

Months, 1858.	Maximum Values in each Month.					Minimum Values in each Month.				
	Temperature of Air.	Azimuth of Wind.	Time at which the Maximum Value occurred.			Temperature of Air.	Azimuth of Wind.	Time at which the Minimum Value occurred.		
			Temperature.	Wind.	Difference of Time.			Temperature.	Wind.	Difference of Time.
			H.	H.	Hours.			H.	H.	Hours.
January	81·05	− 24°	2 P. M.	5 or 6 P. M.	3 or 4	66°08	+ 23°	6 A. M.	10 or 11 A. M.	4 or 5
February.....	83·42	− 27	2 „	4 or 7 „	2 or 5	68·17	+ 26	6 „	8 or 10 „	2 or 4
March and April	88·52	− 42	2 „	1 or 4 „	− 1 + 2	75·65	+ 48	6 „	9 A. M.	3
October	87·77	− 51	3 „	4 „	1	74·03	+ 60	6 „	8 or 9 A. M.	2 or 3
November	87·27	− 46	2 „	4 „	2	73·24	+ 57	6 „	10 A. M.	4
December	82·68	− 47	2 „	3 „	2	68·91	+ 60	6 „	10 „	4
Mean	85·12	− 39·5	2 P. M.	4 P. M.	2	75·01	+ 47·3	6 A. M.	9½ A. M.	3½

It appears from this table that the effect of temperature of air on wind is slower in winter than in dry days: the effect of maximum temperature of air is quicker than the effect of minimum temperature. The mean range of temperature was 14·11, and the mean range of azimuth of wind 86·8; therefore the effect of one degree of temperature on the azimuth of wind is to shift the wind 6° westward.

TABLE CXLVIII.—*Showing the Factors for reducing the Azimuth of Wind from the Temperature of Air.*

Months.	Effect of 1° of Temperature of Air on the Azimuth of Wind.	Internal of Time required for the desired Change of Azimuth.	Azimuth of Wind when the Temperature is equal to the Mean daily Value.	Mean Monthly Value of the Temperature of Air as obtained from the cloudless Days.	Azimuth of Wind when the Mean Temperature was reduced to 80° Fahr.	Number of Observations used in each Month.	Humidity of Air.
		H.					
January	3°1	4	+ 3°	72°7	− 19·56	312	0·75
February.....	3·5	3	+ 3	75·1	− 14·05	264	·73
March and April....	7·0	1	+ 17	82·0	+ 30·86	96	·74
October	8·1	2	+ 58	80·4	+ 60·34	144	·72
November	8·0	3	+ 52	79·1	+ 42·88	264	·70
December	7·8	3	+ 14	75·0	− 25·16	192	·75
Mean value of each factor	6·25	2·7	+ 24·5	77·4	+ 12·55	212	0·73

It appears from this table that the effect of wind on the temperature of air is more perceptible and active when the air is moist, or when the air contains more watery vapour in it.

It follows therefore that certain allowance should be made for the moisture in the air; this correction will be found out in the results of the next year.

TABLE CXLIX.—*Showing the Excess of the Hourly Mean above the Annual Mean Temperature of External and Free Air, during the last Twelve Years,* 1847-58.

Bombay Civil Time.	Excess in each Year.												Hourly Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
4 P. M.	2°9	3°0	2°8	3°0	3°9	4°7	5°0	4°8	4°9	4°6	4°9	4°7	84°2
5 „	1·6	1·7	1·6	1·8	2·0	2·8	3·0	3·0	2.9	2·8	3·0	2·8	82·5
6 „	0·3	0·2	0·3	0·4	0·3	0·6	0·8	0·8	0·7	0·6	1·1	0·8	80·7
7 „	- 0·2	- 0·4	- 0·3	- 0·3	- 0·4	- 0·4	- 0·3	- 0·3	- 0·4	- 0·3	0·1	- 0·2	79·8
8 „	- 0·8	- 0·9	- 0·8	- 0·8	- 0·9	- 0·1	- 0·9	- 0·9	- 1·1	- 0·8	- 0·5	- 0·7	79·3
9 „	- 1·4	- 1·6	- 1·3	- 1·5	- 1·4	- 1·6	- 1·6	- 1·5	- 1·6	- 1·4	- 1·2	- 1·3	78·6
10 „	- 2·2	- 2·2	- 1·9	- 2·2	- 2·0	- 2·2	- 2·3	- 2·1	- 2·2	- 1·9	- 1·8	- 2·0	78·0
11 „	- 2·6	- 2·6	- 2·4	- 2·7	- 2·4	- 2·7	- 2·5	- 2·5	- 2·6	- 2·5	- 2·2	- 2·5	77·6
Midnight.	- 2·9	- 2·9	- 2·9	- 3·0	- 2·7	- 2·9	- 3·1	- 2·8	- 2·9	- 2·7	- 2·7	- 2·8	77·2
1 A. M.	- 3·1	- 3·1	- 3·1	- 3·3	- 3·0	- 3·2	- 3·4	- 3·1	- 3·2	- 2·9	- 3·1	- 3·1	77·0
2 „	- 3·3	- 3·5	- 3·3	- 3·6	- 3·3	- 3·5	- 3·9	- 3·4	- 3·4	- 3·4	- 3·4	- 3·4	76·6
3 „	- 3·5	- 3·8	- 3·5	- 3·8	- 3·7	- 3·9	- 4·1	- 3·7	- 3·7	- 3·5	- 3·7	- 3·7	76·4
4 „	- 3·7	- 4·0	- 3·8	- 4·0	- 4·0	- 4·2	- 4·4	- 4·0	- 3·9	- 3·9	- 3·9	- 3·9	76·1
5 „	- 4·0	- 4·3	- 4·1	- 4·5	- 4·2	- 4·5	- 4·7	- 4·2	- 4·3	- 4·1	- 4·2	- 4·2	75·8
6 „	- 4·3	- 3·5	- 4·2	- 4·6	- 4·3	- 4·6	- 4·8	- 4·2	- 4·2	- 4·3	- 4·3	- 4·3	75·8
7 „	- 2·7	- 2·7	- 2·5	- 2·9	- 2·8	- 3·2	- 3·5	- 3·0	- 3·0	- 3·2	- 3·3	- 3·3	77·1
8 „	- 0·3	0·2	0·3	0·2	- 0·4	- 1·0	- 1·1	- 0·9	- 0·9	- 1·0	- 1·2	- 1·2	79·5
9 „	1·9	2·3	2·6	2·9	1·7	1·1	1·2	0·9	1·0	0·7	0·5	0·7	81·6
10 „	3·8	4·1	3·9	4·4	3·3	2·8	2·8	2·5	2·5	2·3	2·1	2·3	83·3
11 „	4·8	5·2	4°7	5·4	4·4	4·1	4·2	3·9	3·8	3·5	2·8	3·6	84·3
Noon.	5·5	5·6	5·2	5·5	5·2	5·2	5·2	4·9	5·0	4·6	4·7	4·8	85·2
1 P. M.	5·6	5·5	5·0	5·2	5·4	5·7	5·8	5·7	5·6	5·1	5·3	5·4	85·6
2 „	4·9	4·8	4·4	4·6	5·4	5·9	6·0	5·8	5·9	5·6	5·5	5·7	85·5
3 „	3·6	4·0	3·7	3·1	5·0	5·7	5·8	5·6	5·7	5·8	5·6	5·4	85·0
Annual Mean	79·9	79·8	79·6	79·9	79·5	80·2	80·5	80·6	80·7	80·5	79·9	80·1	80·1

TABLE CL.—*Showing the Excess of the Mean Monthly Values of the Temperature of Ground above the Mean Annual Value, during the last Twelve Years,* 1847-58 *(inclusive).*

Depth of Ground.	Years.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean.
20 inches below its Surface.	1849	- 2°9	- 2°5	0°0	2°4	5°7	6°2	- 0°8	- 2°5	- 3°0	0°0	1°5	- 0°2	83°6
	1850	- 4·8	- 4·6	1·6	1·2	4·1	4·0	0·3	- 0·4	- 0·2	2·4	1·3	- 0·9	84·1
	1851	- 1·6	- 4·7	- 1·9	1·0	3·2	3·1	1·8	0·3	- 0·4	1·0	0·3	- 2·2	81·6
	1852	- 5·3	- 4·8	- 2·1	0·3	3·1	4·1	2·6	1·0	0·8	1·1	1·0	- 1·7	81·7
	1853	- 5·4	- 4·9	- 1·9	0·8	3·5	4·4	1·6	0·7	0·3	1·1	0·9	- 1·0	81·7
	1854	- 3·5	- 4·2	- 2·0	1·0	3·5	4·7	1·8	0·9	0·0	0·1	- 0·5	- 2·3	82·2
	1855	- 4·5	- 3·8	- 2·9	- 0·7	2·1	3·5	1·9	1·6	1·0	1·4	0·9	- 0·9	81·7
	1856	- 1·9	- 2·5	0·0	2·3	4·5	4·1	2·2	2·1	1·2	1·1	0·0	- 2·4	81·1
	1857	- 2·9	- 3·2	- 1·1	1·1	2·0	3·9	2·3	0·9	- 0·1	0·0	- 0·8	- 3·3	80·9
	1858	- 4·2	- 4·3	- 2·4	0·8	3·2	3·6	2·3	1·2	0·8	1·1	- 0·2	- 2·1	80·8
60 inches below its Surface.	1852	- 2·1	- 3·4	- 2·5	- 1·0	1·2	2·8	2·4	1·3	0·5	0·4	0·7	0·2	83·6
	1853	- 2·3	- 3·4	- 2·4	- 0·7	1·4	3·0	2·2	1·1	0·4	0·4	0·4	0·0	83·6
	1854	- 1·4	- 2·5	- 2·3	- 0·7	1·4	3·1	2·1	1·1	0·3	0·1	- 0·2	- 1·1	83·9
	1855	- 2·2	- 2·6	- 2·6	- 1·0	0·3	1·9	1·9	1·2	1·1	1·0	1·2	0·4	83·6
	1856	- 1·0	- 2·0	- 1·5	- 0·1	1·7	2·0	1·9	1·1	0·5	- 0·1	- 0·6	- 1·6	84·0
	1857	- 1·6	- 2·0	- 1·6	- 0·3	1·2	2·6	2·4	1·6	0·3	- 0·1	- 0·5	- 1·7	83·0
	1858	- 2·1	- 2·8	- 2·5	- 0·8	1·1	2·5	2·4	1·5	1·2	0·8	0·3	- 0·6	82·5
144 inches below its Surface.	1852	- 0·5	- 1·0	- 0·9	- 0·7	0·0	0·8	0·8	0·8	0·5	0·1	0·0	- 0·1	82·5
	1853	- 0·6	- 1·4	- 1·2	- 1·0	0·0	0·8	0·8	0·8	0·8	0·7	0·2	0·1	82·0

TABLE CLI.—*Showing the excess in each Year of the Hourly Mean above the Mean Annual Value, during the last Twelve Years, 1847-58 (inclusive).*

Göttingen Mean Time.	Temperature of Air within the Observatory.												Temperature of Air in contact with the Ground.												Temperature of Ground 6 inches below its Surface.											
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.
4 P. M.	2°3	2°1	2°2	2°4	2°3		2°3	2°3	2°4	+2°4	2°4	2°4	3°5	3°5	3°0	3°2	3°7	3°9	4°0	3°9	3°8	3°9	4°1	3°3	2°2	1°5	0°8	0°7	0°9	0°8	0°9	0°8	1°0	1°0	1°0	1°1
5 „	1·6	1·7	1·5	1·7	1·5		1·6	1·6	1·7	+1·6	1·8	1·7	2·0	2·1	2·0	2·1	2·3	2·6	2·7	3·5	2·4	2·6	2·6	2·3	1·8	1·4	0·8	0·7	1·3	0·8	0·9	0·8	0·9	1·0	0·9	1·0
6 „	0·9	0·9	0·8	0·9	0·7		0·8	0·7	0·8	0·9	1·0	0·9	0·4	0·3	0·5	0·7	0·7	0·8	1·0	1·0	1·7	0·9	1·0	0·8	1·5	1·2	0·7	0·6	1·6	0·7	0·8	0·7	0·7	0·5	0·7	0·8
7 „	0·4	0·5	0·3	0·4	0·4		0·4	0·5	0·3	0·4	0·4	0·4	0·4	-0·6	-0·3	-0·1	-0·1	0·0	0·0	0·0	0·0	-0·2	0·2	0·1	1·2	1·0	0·6	0·5	0·5	0·6	0·7	0·5	0·5	0·3	0·5	0·7
8 „	0·1	0·1	0·0	0·1	0·0		0·2	0·2	0·1	0·0	0·1	0·1	-1·1	-1·2	-0·8	-0·6	-0·6	-0·6	-0·5	-0·6	-0·6	-0·6	-0·3	-0·4	0·8	0·8	0·5	0·3	0·4	0·5	0·9	0·3	0·3	0·2	0·4	0·4
9 „	-0·2	-0·2	-0·2	-0·2	-0·2		-0·1	0·1	-0·3	-0·3	-0·2	-0·2	-1·9	-1·7	-1·3	-1·2	-1·2	-1·1	-1·1	-1·1	-1·1	-1·0	-1·0	-0·9	0·4	0·5	0·4	0·2	0·2	0·3	0·4	0·3	0·2	0·1	0·3	0·3
10 „	-0·5	-0·5	-0·4	-0·5	-0·4		-0·4	-0·4	-0·6	-0·6	-0·5	-0·6	-2·6	-2·4	-1·9	-1·9	-1·7	-1·7	-1·7	-1·6	-1·6	-1·5	-1·6	-1·5	0·0	0·3	0·2	0·1	0·1	0·1	0·3	0·1	0·0	0·0	0·2	0·1
11 „	-0·7	-0·7	-0·6	-0·8	-0·7		-0·7	-0·6	-0·8	-0·9	-0·8	-0·8	-3·1	-2·9	-2·4	-2·3	-2·1	-2·0	-2·2	-2·0	-2·0	-1·9	-2·1	-1·9	-0·3	0·0	0·1	-0·1	0·0	0·0	0·1	0·0	-0·1	-0·2	-0·1	0·0
Midnight.	-0·9	-0·9	-0·9	-1·0	-1·0		-0·7	-0·9	-1·0	-1·0	-1·0	-0·9	-3·5	-3·1	-2·8	-2·7	-2·4	-2·2	-2·5	-2·3	-2·2	-2·1	-2·3	-2·2	-0·6	-0·2	-0·1	-0·1	-0·1	0·0	0·0	-0·1	-0·2	-0·3	-0·2	-0·2
1 A. M.	-1·2	-1·2	-1·0	-1·1	-1·1		-1·2	-1·0	-1·2	-1·2	-1·2	-1·2	-3·9	-3·4	-3·0	-3·0	-2·7	-2·6	-2·8	-2·6	-2·5	-2·4	-2·7	-2·7	-0·9	-0·4	-0·2	-0·2	-0·3	-0·2	-0·1	-0·2	-0·3	-0·4	-0·3	-0·4
2 „	-1·4	-1·4	-1·2	-1·3	-1·3		-1·3	-1·6	-1·4	-1·4	-1·4	-1·4	-4·2	-3·8	-3·2	-3·3	-3·0	-2·8	-3·1	-2·9	-2·8	-2·7	-2·9	-2·8	-1·1	-0·6	-0·4	-0·4	-0·4	-0·3	-0·3	-0·3	-0·4	-0·5	-0·4	-0·5
3 „	-1·6	-1·5	-1·3	-1·5	-1·5		-1·4	-1·5	-1·6	-1·6	-1·7	-1·6	-4·4	-4·1	-3·5	-3·5	-3·4	-3·2	-3·4	-3·2	-3·0	-2·8	-3·2	-3·0	-1·4	-0·8	-0·5	-0·5	-0·5	-0·4	-0·4	-0·5	-0·6	-0·6	-0·6	-0·6
4 „	-1·9	-1·7	-1·4	-1·8	-1·8		-1·7	-1·7	-1·8	-1·8	-1·9	-1·8	-4·7	-4·3	-3·8	-3·8	-3·7	-3·5	-3·8	-3·4	-3·3	-3·2	-3·5	-3·3	-1·7	-1·0	-0·7	-0·6	-0·7	-0·5	-0·5	-0·6	-0·7	-0·8	-0·7	-0·8
5 „	-2·1	-1·9	-1·5	-1·9	-1·9		-1·9	-1·9	-2·0	-2·0	-2·1	-2·0	-4·7	-4·7	-4·0	-4·1	-4·0	-3·8	-4·0	-3·6	-3·6	-3·5	-3·7	-3·6	-2·0	-1·3	-0·8	-0·7	-0·8	-0·7	-0·7	-0·7	-0·8	-0·9	-0·8	-0·9
6 „	-2·4	-2·1	-1·7	-2·2	-2·3		-2·1	-2·1	-2·2	-2·2	-2·2	-2·2	-4·8	-4·8	-4·1	-4·1	-4·0	-3·8	-4·0	-3·6	-3·5	-3·5	-3·7	-3·7	-2·2	-1·5	-0·9	-1·0	-0·9	-0·8	-0·8	-0·8	-0·9	-0·9	-0·9	-1·0
7 „	-2·2	-2·2	-1·8	-2·3	-2·3		-2·1	-2·0	-2·1	-2·0	-2·2	-2·2	-3·0	-3·0	-3·4	-2·9	-2·7	-3·5	-2·9	-2·8	-2·2	-2·4	-2·8	-2·7	-2·1	-1·5	-1·0	-1·0	-1·0	-0·8	-0·9	-0·9	-0·9	-1·0	-1·0	-1·0
8 „	-1·6	-1·5	-1·3	-1·7	-1·7		-1·6	-1·4	-1·5	-1·5	-1·6	-1·6	0·3	-0·1	-0·3	-0·4	-0·6	-0·8	-0·2	-0·9	-0·8	-0·7	-1·1	0·5	-1·7	-1·3	-0·9	-0·8	-0·8	-0·8	-0·7	-0·8	-0·8	-0·8	-0·8	-0·9
9 „	-0·3	-0·4	-0·4	-0·6	-0·6		-0·6	-0·6	-0·5	-0·6	-0·7	-0·7	3·3	2·5	2·0	2·0	1·1	0·8	0·6	0·6	0·7	0·5	0·5	1·9	-1·3	-0·9	-0·7	-0·4	-0·5	-0·6	-0·6	-0·6	-0·4	-0·6	-0·5	-0·5
10 „	0·7	0·6	0·4	0·5	0·4		0·5	0·3	0·6	0·5	0·3	0·2	5·1	4·1	3·6	3·6	2·5	2·2	2·1	1·9	1·9	1·9	1·7	2·9	-0·3	-0·4	-0·4	-0·1	-0·2	-0·3	-0·3	-0·3	-0·2	-0·4	-0·3	-0·2
11 „	1·4	1·4	1·8	1·4	1·5		1·4	1·1	1·5	1·3	1·3	1·3	5·8	5·2	4·4	4·6	3·6	3·3	3·3	2·9	2·8	2·9	2·9	3·8	0·1	-0·1	-0·2	+0·2	-0·1	-0·1	0·0	-0·1	0·1	-0·2	0·0	0·0
Noon.	2·0	1·9	1·8	1·9	2·0		2·1	1·8	2·2	1·8	2·0	2·0	6·5	5·7	4·8	5·0	4·3	4·1	4·1	3·8	3·7	3·5	4·0	4·3	0·9	0·3	0·1	0·5	0·4	0·1	0·2	0·1	0·3	0·1	0·8	0·4
1 P. M.	2·3	2·2	2·2	2·5	2·4		2·5	2·6	2·6	2·4	2·5	2·5	6·7	5·8	4·9	4·9	4·5	4·5	4·6	4·4	4·3	4·3	4·5	4·6	1·8	0·8	0·4	0·7	0·5	0·4	0·4	0·4	0·6	0·4	0·6	0·6
2 „	2·6	2·5	2·4	2·7	2·7		2·7	2·7	2·9	2·7	2·8	2·8	5·8	5·2	4·3	4·6	4·3	4·8	4·3	4·5	4·6	4·6	4·7	4·4	2·4	1·2	0·7	0·8	0·7	0·5	0·6	0·8	0·6	0·8	0·8	0·9
3 „	2·4	2·5	2·4	2·7	2·6		2·7	2·7	2·9	2·8	2·8	2·8	4·2	4·6	4·0	4·1	4·5	4·7	4·6	4·5	4·4	4·5	4·7	3·8	2·3	1·4	0·7	0·8	0·9	0·7	0·8	0·8	0·9	0·7	0·9	1·0
Annual Mean.	32·1	32·9	32·7	33·2	32·7	32·8	33·6	32·9	32·9	32·7	32·2	32·3	79·5	30·2	80·0	80·3	80·1	80·6	80·9	81·0	81·0	80·6	80·1	80·1	32·7	32·3	31·0	31·0	30·1	30·6	30·9	31·2	30·6	31·1	30·2	30·3

Not calculated during this year.

TABLE CLII.—*Showing the Excess of the Monthly Mean Value in each of the last Twelve Years, above the Annual Mean Value.*

Years.	Temperature of Air within the Observatory.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1847	- 2°5	- 4°9	0°3	2°5	4°1	1°4	0°9	0°4	- 0°2	3°2	- 2°8	- 2°3
1848	- 3·1	- 4·3	- 1·2	2·7	4·0	0·7	0·3	- 0·3	0·7	- 1·2	0·6	- 2·0
1849	- 4·9	- 2·7	- 0·3	2·3	4·9	1·1	0·1	- 0·3	- 1·3	1·8	1·8	- 2·3
1850	- 6·8	- 4·3	- 0·5	1·6	3·6	3·1	1·2	0·7	0·8	3·5	0·2	- 2·9
1851	- 5·8	- 3·6	- 0·1	3·1	4·4	2·5	- 0·2	- 0·3	0·6	2·2	0·5	- 3·6
1852	- 7·0	- 4·0	0·7	2·0	5·2	3·1	1·6	- 0·6	0·1	2·0	0·9	- 3·4
1853	- 7·0	- 4·0	0·2	1·6	4·9	2·5	- 1·0	- 0·5	- 0·8	1·2	0·4	- 2·8
1854	- 3·7	- 5·1	- 0·8	2·2	5·4	3·4	- 0·4	0·5	0·0	1·5	- 0·4	- 2·2
1855	- 4·5	- 2·8	- 1·4	0·7	4·4	2·6	0·6	0·9	- 0·3	2·0	0·7	- 2·7
1856	- 3·3	- 3·0	0·7	3·5	5·2	1·9	0·1	- 0·2	- 0·8	0·7	- 0·6	- 3·6
1857	- 4·6	- 1·9	1·5	2·4	5·5	3·1	2·0	- 1·2	- 1·2	0·6	- 1·3	- 6·7
1858	- 5·8	- 4·4	- 0·5	3·4	5·3	3·5	0·5	0·1	- 0·1	1·2	- 0·2	- 3·3

Years.	Temperature of Air in contact with the Ground.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1847	- 3°9	- 5°2	0°4	3°6	5°7	1°7	1°2	0°7	- 0°1	3°4	- 3°7	- 3°6
1848	- 4·7	- 5·0	- 1·3	3·9	5·4	1·3	1·0	0·2	1·2	1·2	- 0·5	- 3·0
1849	- 6·3	- 3·8	- 0·3	3·0	6·3	1·8	0·0	0·1	- 1·3	1·5	1·9	- 3·1
1850	- 7·4	- 4·8	- 0·5	2·3	4·7	3·7	1·3	1·0	1·0	3·2	- 0·5	- 3·7
1851	- 7·3	- 4·2	0·2	3·8	5·2	3·2	0·6	0·2	0·8	1·0	0·0	- 4·6
1852	- 8·4	- 4·5	- 0·2	2·7	6·0	4·0	2·3	0·5	0·7	1·9	- 0·2	- 4·4
1853	- 8·8	- 4·7	1·0	2·8	6·4	3·8	2·5	0·5	0·5	1·6	0·2	- 3·6
1854	- 4·8	- 5·9	- 0·6	3·1	6·1	3·9	0·2	0·8	0·4	1·1	- 1·1	- 3·6
1855	- 6·2	- 3·9	- 1·8	1·0	5·0	3·4	1·7	1·6	0·5	1·9	- 0·1	- 3·0
1856	- 4·6	- 3·5	1·5	3·7	5·5	3·0	0·9	0·7	- 0·4	0·4	- 1·7	- 5·2
1857	- 5·4	- 2·4	1·7	3·1	6·1	3·7	2·6	- 0·4	- 0·7	0·6	- 2·6	- 6·3
1858	- 6·9	- 5·0	- 0·2	4·5	6·5	4·3	1·9	0·4	0·1	0·8	- 1·5	- 4·8

Years.	Temperature of Ground 6 inches below its Surface.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
1847	0°1	- 1°8	1°4	2°1	3°8	- 1°7	- 2°6	- 2°3	- 2°1	5°2	- 0°4	- 0°8
1848	- 1·0	- 2·0	- 0·3	2·8	4·5	- 1·2	- 1·5	- 1·9	0·1	1·7	0·1	- 2·3
1849	- 4·0	- 2·6	0·0	2·6	6·1	1·1	- 1·1	- 1·8	- 2·5	1·2	2·7	- 1·2
1850	- 6·1	- 4·5	- 0·8	2·0	4·4	3·7	0·3	0·2	0·5	3·3	0·4	- 2·4
1851	- 5·4	- 4·3	- 0·1	3·1	4·7	3·4	1·4	0·0	0·0	0·6	- 0·1	- 3·9
1852	- 7·6	- 4·6	- 1·0	1·7	4·8	4·2	2·5	0·8	0·9	1·8	0·1	- 3·5
1853	- 8·0	- 4·5	- 0·2	2·1	5·2	4·1	0·9	0·9	0·6	1·6	0·6	- 2·8
1854	- 4·5	- 5·5	- 1·2	2·6	5·4	4·9	1·3	1·1	0·3	0·5	- 1·6	- 3·5
1855	- 5·6	- 3·9	- 1·6	- 0·6	3·0	3·7	1·8	1·7	0·7	1·5	0·1	- 2·2
1856	- 3·8	- 4·0	0·1	3·0	4·9	3·1	1·7	0·8	0·0	0·5	- 1·3	- 4·4
1857	- 4·5	- 2·8	0·8	2·3	5·1	3·8	2·7	0·1	- 0·4	0·4	- 2·1	- 5·4
1858	- 6·1	- 4·9	- 1·0	3·0	5·2	3·9	1·9	1·0	0·7	1·1	- 1·0	- 3·8

TABLE CLIII.—*Showing the Mean Excess of Hourly Mean above the Mean Annual Values of the Temperature of Air and Ground, as deduced from the last two Tables.*

Hours of the Day.	Mean Excess.			Hours of the Night.	Mean Excess.			Remarks.
	Temperature of Air within the Observatory.	Temperature of Air in contact with the Ground.	Temperature of Ground 6 inches below its Surface.		Temperature of Air within the Observatory.	Temperature of Air in contact with the Ground.	Temperature of Ground 6 inches below its Surface.	
6 A. M.	- 2°15	- 3°97	- 1°05	6 P. M.	0°85	0°82	0°87	The temperature of ground more than 20 inches below its surface has no diurnal fluctuation, consequently a single observation taken daily will show the mean temperature for any hour of any day.
7 „	- 2·13	- 2·86	- 1·09	7 „	0·40	- 0·12	0·62	
8 „	- 1·54	- 0·51	- 0·92	8 „	0·09	- 0·66	0·45	
9 „	- 0·55	1·37	- 0·63	9 „	- 0·20	- 1·22	0·30	
10 „	0·45	2·79	- 0·27	10 „	- 0·49	- 1·81	0·12	
11 „	1·34	3·79	- 0·02	11 „	- 0·75	- 2·24	- 0·05	
Noon.	1·95	4·60	0·31	Midnight.	- 0·93	- 2·53	- 0·17	82.75 = Mean annual temperature of air within the Observatory.
1 P. M.	2·43	4·83	0·55	1 A. M.	- 1·15	- 2·84	- 0·33	
2 „	2·68	4·78	0·88	2 „	- 1·37	- 3·13	- 0·47	80.37 = Mean annual temperature of Air in contact with the ground.
3 „	2·66	4·38	0·99	3 „	- 1·53	- 3·39	- 0·60	
4 „	2·35	3·69	1·06	4 „	- 1·75	- 3·69	- 0·77	
5 „	1·64	2·43	1·03	5 „	- 1·93	- 3·94	- 0·92	81.01 = Temperature of ground 6 inches below its surface.

TABLE CLIV.—*Showing the Excess of the Mean Monthly Value above the Annual Mean Values of the Temperature of Air and Ground, as deduced from the Observation of the last Twelve Years,* 1847-58 *(inclusive).*

Months.	Temperature of Air within the Observatory.	Temperature of Air in contact with the Ground.	Temperature of Ground 6 inches below its Surface.	Temperature of Ground 20 inches below its Surface.	Temperature of Ground 60 inches below its Surface.	Temperature of Ground 144 inches below its Surface.	Remarks.
January	- 4°92	- 6°22	- 4°71	- 3°70	- 1°81	- 0°52	Mean temperature.
February ..	- 3·75	- 4·41	- 3·78	- 3·95	- 2·67	- 1·20	82.75 = Air within the Observatory.
March	- 0·12	0·01	- 0·32	- 1·27	- 2·20	- 1·05	80.37 = Air in contact with the surface of ground.
April	2·31	3·12	2·22	1·62	- 0·63	- 0·85	81.01 = Ground 6 inches below its surface.
May	4·74	5·74	4·76	3·49	1·19	0·00	81.94 = Ground 20 inches below its surface.
June	2·41	3·15	2·75	4·17	2·56	0·80	83.46 = Ground 60 inches below its surface.
July	0·49	1·35	0·77	1·60	2·19	0·80	82.25 = Ground 144 inches below its surface.
August	- 0·08	0·52	0·01	0·54	1·27	0·80	It appears from the temperature of ground 144 inches below its surface that the earth at that depth is composed of some gravel strata or other stones, as its temperature is depressed instead of rising.
September ..	- 0·21	0·22	- 0·10	0·04	0·61	0·65	
October	1·56	1·55	1·62	0·93	0·36	0·40	
November ..	- 0·02	- 0·82	- 0·21	0·44	0·19	0·10	
December ..	- 3·15	- 4·08	- 3·02	- 1·70	- 0·63	0·00	

During the year 1858 the mean daily temperature of air has fluctuated between 90° and 68° and has never exceeded these limits.

The differences between the mean daily values of any two consecutive days never exceeds 5°, and in many cases are found to be less than 2° but greater than 1°.

The temperature of air in the Observatory, and in contact with the ground is effected by the clouds, and the same factors given for Free Air will, with a slight alteration, answer for the temperature.

The daily range of the temperature of free and external air seldom exceeds 20°, and generally keeps between 15° and 10°.

The daily ranges in the temperature of ground below 20° inches of its surface are indecernible; but a regular rise and fall of temperature is observed from one season to the other. Periodical changes in the temperature of ground varies according to the depth of ground. The periodical change of temperature at six inches below the surface of ground is about 15°, but at the depth of 144 inches it is reduced to only 2.°

The maximum temperature of air occurs at 2 P. M., and the minimum temperature at about sunrise in winter; but in summer the times of their occurrences are variable.

If the mean temperature of air is to be ascertained from two observations taken daily, the hours best suited for this, will be 4 A. M. and 4 P. M., or 9 A. M. and 9 P. M.; if the observation of 8 A. M. be unaffected by clouds, it will answer near enough to the true mean temperature.

The combination of observations of 4 A. M. and 4 P. M. will, give the mean temperature of air and ground under different situations.

The temperature of external and free air is more uniform at night than in the day time.

The fall of temperature from midnight to 6 A. M. is small but regular; after sunrise temperature rises rapidly till 11 A. M.; from noon to 2 P. M. or 3 P. M. the rise is moderate; between 2 and 5 P. M. is a moderate fall of temperature, but at about sunset a large fall is experienced; after sunset a gradual fall is observed throughout the night.

WET BULB THERMOMETER.

The temperature of evaporation or wet bulb thermometer increases, though irregularly, from the month of January to July; and falls from July to December. About the middle of June the sun attains its extreme southerly declination, and the rain which falls down in torrents keeps the atmosphere saturated with humidity. In June and July the temperature of evaporation coincides with the mean annual temperature of air. The presence of clouds in the sky has the effect of increasing the temperature of evaporation.

TABLE CLV.—*Showing the Mean Temperature of Evaporation for the last Twelve Years,* 1847-58 *(inclusive).*

Months.	Temperature of Evaporation or Wet Bulb.												Sum.	Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.		
January	68°8	69°2	66°8	65°8	65°3	63°2	63°4	67°9	67°7	69°6	68°6	68°0	94°3	67·9
February	67·3	68·6	69·9	67·7	69·1	69·2	68·7	66·3	70·4	69·3	70·8	69·3	105·8	68·8
March	73·7	72·6	72·8	72·7	73·4	72·5	73·1	72·8	72·6	75·1	75·3	74·2	40·8	73·4
April	76·4	77·4	75·7	75·1	76·9	75·8	76·4	77·2	75·4	77·6	76·4	78·1	78·6	76·5
May	78·5	78·5	78·0	78·4	77·8	77·9	79·2	79·5	80·0	79·2	80·0	80·8	107·8	79·0
June.....	78·7	78·4	79·6	79·6	78·9	79·1	79·4	79·7	79·7	72·2	78·7	79·1	110·1	79·2
July.....	77·9	78·1	78·0	78·9	78·0	78·3	77·6	78·2	78·6	78·3	78·1	79·0	99·0	78·3
August.....	77·2	77·0	77·4	77·6	77·3	77·0	76·6	77·8	77·2	77·1	77·2	78·0	87·4	77·3
September	76·1	77·0	76·6	76·7	75·8	77·1	76·6	77·8	77·2	76·1	76·3	77·2	80·5	76·7
October	77·8	78·0	76·8	78·1	77·0	77·1	75·0	76·7	77·5	76·4	75·8	76·7	82·9	76·9
November	70·8	72·9	75·5	71·8	72·9	71·7	72·7	73·0	72·9	72·1	70·8	72·2	29·3	72·4
December	69·1	70·5	68·3	69·5	67·5	68·8	68·4	71·1	69·8	69·0	66·5	70·1	108·6	69·1
Annual Mean ..	74·4	74·8	74·6	74·3	74·2	74·0	73·9	74·8	74·9	74·9	74·5	75·2	—	74·5

Probable error of the annual mean ± 0·4.

TABLE CLVI.—*Showing the Excess of the Hourly Mean above the annual Mean Temperature of Evaporation, during the last Twelve Years,* 1847-58 *(inclusive).*

Bombay Civil Time.	Excess in each Year.												Hourly Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
4 P. M.	1°1	1°2	1°2	1°3	2°0	2°1	2°2	2°0	1°9	1°9	2°3	2°2	76°3
5 „	0·9	0·9	0·9	0·9	1·2	1·4	1·5	1·5	1·2	1·3	1·7	1·6	75·8
6 „	0·7	0·5	0·3	0·5	0·5	0·7	0·9	0·8	0·6	0·6	0·9	0·8	75·1
7 „	0·4	0·2	0·1	- 0·1	0·2	0·3	0·4	0·5	0·2	0·2	0·6	0·5	74·8
8 „	0·1	0·0	0·0	0·1	0·0	0·1	0·2	0·2	- 0·0	- 0·1	0·4	0·3	74·6
9 „	- 0·3	- 0·2	- 0·2	- 0·3	- 0·3	- 0·3	- 0·3	- 0·5	- 0·3	- 0·3	- 0·1	- 0·1	74·2
10 „	- 0·7	- 0·6	- 0·6	- 0·8	- 0·7	- 0·6	- 0·7	- 0·6	- 0·8	- 0·7	- 0·6	- 0·6	73·8
11 „	- 0·9	- 0·8	- 0·9	- 1·1	- 0·9	- 0·8	- 0·9	- 0·8	- 1·1	- 0·8	- 0·9	- 0·8	73·6
Midnight.	- 1·1	- 1·0	- 1·1	- 1·2	- 1·0	- 1·2	- 1·1	- 0·8	- 1·0	- 0·8	- 0·9	- 0·9	73·5
1 A. M.	- 1·2	- 1·2	- 1·1	- 1·2	- 1·2	- 1·0	- 1·2	- 1·0	- 1·1	- 1·0	- 1·0	- 1·1	73·4
2 „	- 1·4	- 1·3	- 1·3	- 1·4	- 1·4	- 1·2	- 1·3	- 1·3	- 1·3	- 1·2	- 1·2	- 1·3	73·2
3 „	- 1·7	- 1·6	- 1·5	- 1·6	- 1·9	- 1·5	- 1·6	- 1·6	- 1·5	- 1·5	- 1·4	- 1·5	72·9
4 „	- 2·1	- 1·9	- 1·7	- 1·8	- 2·0	- 1·8	- 1·9	- 1·8	- 1·7	- 1·9	- 1·7	- 1·9	72·7
5 „	- 2·1	- 2·0	- 1·9	- 2·0	- 2·3	- 2·1	- 2·0	- 2·0	- 1·9	- 2·0	- 1·9	- 1·9	72·5
6 „	- 2·2	- 2·1	- 1·9	- 2·0	- 2·3	- 2·0	- 2·1	- 1·9	- 1·8	- 2·0	- 2·0	- 2·1	72·2
7 „	- 1·2	- 1·2	- 1·2	- 1·1	- 1·4	- 1·4	- 1·5	- 1·3	- 1·2	- 1·3	- 1·4	- 1·6	73·2
8 „	0·0	0·2	0·1	0·2	- 0·4	- 0·5	- 0·5	- 0·6	- 0·3	- 0·5	- 0·6	- 0·8	74·2
9 „	0·2	1·0	0·9	1·3	0·3	0·4	0·3	0·2	0·4	0·3	0·1	- 0·2	75·0
10 „	1·4	1·4	1·4	1·7	1·0	0·8	0·7	0·7	0·8	0·7	0·6	0·5	75·5
11 „	1·7	1·7	1·5	1·9	1·3	1·2	1·2	1·1	1·3	1·0	1·1	1·2	75·9
Noon.	1·8	1·8	1·7	1·8	1·6	1·6	1·5	1·5	1·6	1·4	1·5	1·7	76·1
1 P. M.	1·9	1·7	1·8	1·8	2·0	1·9	2·0	1·8	2·0	1·9	2·0	2·0	76·4
2 „	1·8	1·7	1·7	1·8	2·3	2·2	2·4	2·1	2·1	2·2	2·2	2·2	76·6
3 „	1·5	1·6	1·5	1·6	2·2	2·3	2·5	2·2	2·1	2·2	2·5	2·3	76·5
Annual Mean.	74·4	74·8	47·6	74·3	74·2	74·0	73·9	74·8	74·9	74·9	74·5	75·2	74·5

The difference between the mean daily values of two consecutive days in many instances have remained between 1° or 2°, and it has in no case exceeded 6°. The daily values of evaporation range between 60° and 82° Fahr. The daily range of temperature of evaporation never exceeds 15°, and seldom goes below 2°. In many instances it has ranged between 3° and 8°. The daily ranges were higher in winter than in summer.

A perceptible rise of temperature after sunrise and a fall of temperature at about sunset were observed in the hourly changes of evaporation. An apparent change at noon was frequently noticed in the temperature of evaporation in winter. The times of maximum and minimum temperature of evaporation were quite irregular and variable.

If the mean daily temperature of evaporation is to be ascertained from two observations taken daily, the hours supposed to be best are 5 A. M. and 2 P. M.; or 9 A. M. and 9 P. M. If more than a single combination be used, the deduced mean will be more correct. The temperature of evaporation was high for S and E winds, and it was low for N and W winds. This shows that the evening breezes, which generally blow from NW or W, bring with them moisture in their passage over the water, causing hereby an abrupt fall in the afternoon temperature of evaporation as heretofore noticed.

HYGROMETRIC ELEMENTS.

Hygrometric elements are those elements which are calculated from the observed temperatures of free air and wet bulb thermometer; the mode of calculating them is briefly described in the Introduction.

TABLE CLVII.—*Showing the Mean Monthly Values of all the Hygrometric Elements, as deduced from the Observations of Air Temperature, Wet Bulb and Barometer, made during the last Twelve Years,* 1847-58 *(inclusive).*

Months.	Temperature of Dew Point.	Pressure of Moisture.	Humidity of Air.	Pressure of supposed Dry Air.	Weight in grains of a Cubic foot of common Air.	Weight in grains of Vapour in a Cubic foot of common Air.	Weight in grains of Vapour required for complete saturation of a Cubic foot of Air.	Quantity of Water Evaporated in the Atmosphere.
		in.		in.	grs.	grs.	grs.	in.
January	64°7	0·611	0·74	29·322	511	6·7	2·3	6·603
February	65·1	·620	·70	·289	508	6·8	2·7	7·168
March	70·4	·737	·74	·111	501	8·0	2·8	8·308
April	73·9	·825	·75	28·968	496	9·0	2·9	8·370
May	76·5	·897	·75	·843	492	9·8	2·9	9·176
June	77·8	·933	·85	·714	493	10·1	1·8	5·130
July	77·2	·916	·83	·730	496	10·0	1·2	3·751
August	76·0	·883	·87	.832	498	9·6	1·4	4·154
September	75·3	·863	·86	·911	499	9·4	1·5	4·350
October	75·0	·855	·81	·973	499	9·3	2·1	6·262
November	69·3	·710	·72	·989	503	7·7	2.9	8·190
December	65·5	·628	·71	29·108	508	6·8	2·8	7·874
Annual Mean	72·2	0·790	0·78	28·982	500	8·6	2·3	79·336

TABLE CLVIII.—*Showing the Mean Hourly Values of Hygrometric Elements, as deduced from the Deodecanial Values of Temperatures of Free Air and Wet Bulb.*

Bombay Civil Time.	Temperature of Dew Point	Pressure of Moisture.	Humidity of Air.	Pressure of supposed Dry Air.	Weight in grains of a Cubic Foot of common Air.	Weight in grains of Water in a Cubic Foot of common Air.	Weight required for compute Saturation of a Cubic Foot of Air.	Quantity of Water Evaporated in the Atmosphere.	Bombay Civil Time.
		in.		in.				in.	
4 P. M.	73°1	0·803	0·70	28·963	495	8·6	3·6	0·014	4 P. M.
5 „	73·0	·802	·74	·964	496	8·7	3·1	·012	5 „
6 „	72·8	·795	·78	·983	498	8·7	2·4	·010	6 „
7 „	72·8	·794	·80	29·002	500	8·7	2·1	·008	7 „
8 „	72·6	·791	·81	·022	502	8·7	1·8	·008	8 „
9 „	72·2	·782	·82	·043	502	8·4	2·1	·007	9 „
10 „	72·0	·776	·83	·052	504	8·4	1·8	·067	10 „
11 „	71·9	·774	·84	·047	504	8·4	1·8	·006	11 „
Midnight.	71·9	·773	·85	·036	505	8·4	1·5	·006	Midnight.
1 A. M.	71·8	·771	·85	·025	505	8·4	1·5	·006	1 A. M.
2 „	71·7	·769	·86	·016	505	8·4	1·5	·005	2 „
3 „	71·3	·759	·85	·019	505	8·1	1.5	·006	3 „
4 „	71·2	·756	·86	·023	505	8·1	1.5	·005	4 „
5 „	71·0	·752	·86	·038	506	8·1	1.5	·005	5 „
6 „	71·0	·751	·89	·056	506	8·1	1.5	·005	6 „
7 „	71·5	·763	·84	·067	506	8·4	1.5	·006	7 „
8 „	71·9	·774	·79	·077	501	8·4	2.4	·009	8 „
9 „	72·2	·781	·74	·082	499	8·4	3.1	·011	9 „
10 „	72·2	·782	·70	·079	498	8·3	3.5	·014	10 „
11 „	72·5	·787	·69	·061	497	8·6	3.6	·015	11 „
Noon.	72·4	·785	·67	·040	494	8·3	4.2	·016	Noon.
1 P. M.	72·7	·792	·66	·009	493	8·6	4.3	·017	1 P. M.
2 „	73·0	·801	·67	28·978	492	8·6	4.3	·016	2 „
3 „	73·0	·802	·68	·963	493	8·6	3·9	·015	3 „

Dew falls generally from midnight to sunrise when the atmosphere becomes more humid than at any other time of the day, two maxima and two minima were observed in the diurnal changes of the pressure of supposed dry air.

WIND.

There were about 55 days on which the direction of wind was abnormal during this year. The wind made about 27 turns round the compass; there were about 100 days out of 310 on which the force of wind was greater than one pound. There were about 20 days on which the force of wind was above 4 lbs. Monsoonish wind blows in Summer, and land and sea breezes in Winter. The direction of wind was S or SW in Summer, and in Winter the direction was Westerly in the evening and Easterly in the morning. The duration of W and NW winds was greater than any other winds. The greatest force was recorded under Southerly winds. The resultant force of wind was in WNW direction. The mean force of the resultant wind was 0.5.

TABLE CLIX.—*Showing the Mean Monthly Force of Wind during the last Twelve Years, 1847-58 (inclusive).*

Months.	Mean Force of Wind in Pounds.												Sum.	Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.		
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
January	0·35	0·10	0·19	0·20	0·14	0·18	0·20	0·07	0·19	0·12	0·13	0·20	2·07	0·17
February.....	·50	·25	·12	·10	·13	·12	·20	·13	·20	·21	·17	·18	·31	·19
March	·41	·29	·22	·20	·17	·14	·20	·13	·32	·18	·19	·24	·69	·22
April	·65	·38	·26	·20	·18	·19	·10	·19	·24	·25	·23	·19	3·06	·26
May.....	·59	·22	·13	·30	·32	·11	·10	·19	·21	·37	·15	·34	·43	·29
June.....	·46	·51	·64	·30	·21	·38	·30	·32	·52	·33	·29	·26	4·52	·38
July.....	·45	·58	·39	·40	·49	·21	·50	·33	·44	·30	·27	·55	·91	·41
August.....	·45	·51	·32	·10	·19	·19	·10	·21	·16	·21	·51	·48	3·43	·29
September	·29	·37	·27	·10	·07	·08	·10	·12	·16	·11	·15	·17	1·99	·17
October	·22	·28	·18	·10	·06	·13	·10	·13	·13	·10	·13	·16	·72	·14
November	·19	·10	·09	·10	·12	·08	·10	·19	·09	·13	·14	·15	·48	·12
December.....	·15	·17	·14	·10	·07	·07	·10	·14	·14	·12	·15	·18	·53	·13
Annual Mean ..	0·39	0·32	0·25	0·20	0·18	0·16	0·18	0·18	0·24	0·20	0·21	0·26	—	0·23

Probable error of the annual mean ± 0.05 lbs.

TABLE CLX.—*Showing the Monthly Mean Azimuth of Wind, in each of the last Twelve Years, 1847-58 (inclusive).*

Months.	Mean Monthly Azimuth of Wind.												Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
January	- 2°	- 3°	+ 2°	- 11°	+ 7°	- 4°	- 7°	- 1°	+ 2°	+ 8°	- 25°	- 5°	- 3°
February	- 11	- 17	- 10	- 13	- 19	- 13	- 17	- 13	- 22	- 5	- 32	- 16	- 16
March	- 24	- 17	- 27	- 42	- 38	- 24	- 30	- 24	- 29	- 33	- 57	- 52	- 33
April.....	- 20	- 16	- 34	- 42	- 42	- 62	- 55	- 77	- 48	- 64	- 40	- 52	- 46
May	- 87	- 75	-103	- 80	- 71	- 92	- 70	- 79	- 77	- 86	- 87	- 99	- 84
June.....	-144	-112	-155	-144	-127	-117	-100	-130	-106	-118	-120	- 95	-122
July	-122	-110	-103	-145	-136	-112	- 92	-125	-119	-104	-105	- 99	-144
August	- 89	- 75	- 91	-119	-112	- 97	- 83	-108	- 96	- 99	- 96	-107	- 98
September	- 61	- 43	- 89	- 81	- 95	- 73	- 75	- 88	- 91	- 66	- 85	- 95	- 78
October.....	0	- 18	- 17	- 38	- 35	- 39	- 16	- 37	- 9	- 46	+ 3	- 8	- 22
November.....	8	5	5	12	- 2	17	+13	+15	7	- 18	+ 2	21	+ 7
December.....	- 9	- 2	9	17	- 3	6	7	5	12	- 13	+13	- 2	+ 3

TABLE CLXI.—*Showing the Azimuth of Wind in Summer, as Deduced from the Observations of the last Twelve Years,* 1847-58 *(inclusive).*

Göttingen Time.	Mean of Summer Months in each Year.												Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
Noon.	- 87	- 74	- 97	- 94	- 95	- 89	- 75	- 98	- 85	- 85	- 90	- 89	- 88
1	- 89	- 74	- 96	- 99	- 96	- 89	- 75	- 98	- 86	- 85	- 88	- 89	- 89
2	- 89	- 73	- 94	- 99	- 96	- 90	- 74	- 98	- 86	- 86	- 88	- 88	- 89
3	- 87	- 71	- 96	- 99	- 94	- 91	- 75	- 98	- 86	- 85	- 88	- 90	- 88
4	- 89	- 73	- 95	-101	- 95	- 90	- 76	-100	- 88	- 86	- 90	- 93	- 89
5	- 87	- 74	- 96	-100	- 96	- 94	- 76	-102	- 88	- 88	- 90	- 91	- 90
6	- 87	- 75	- 97	-100	- 97	- 95	- 78	-104	- 93	- 90	- 91	- 94	- 90
7	- 90	- 74	- 98	-102	- 97	- 96	- 80	-103	- 93	- 90	- 93	- 93	- 92
8	- 92	- 74	- 99	-104	- 99	- 80	- 81	-106	- 95	- 91	- 94	- 93	- 92
9	- 88	- 74	- 99	-104	- 99	- 81	- 81	-105	- 92	- 92	- 93	- 95	- 93
10	- 86	- 71	- 97	-105	-100	- 94	- 81	-103	- 93	- 92	- 93	- 92	- 94
11	- 86	- 70	- 94	-105	- 98	- 94	- 80	-102	- 92	- 90	- 91	- 94	- 92
12	- 84	- 69	- 91	-105	- 95	- 92	- 79	-102	- 90	- 91	- 91	- 96	- 91
13	- 82	- 67	- 92	-102	- 96	- 90	- 80	-102	- 90	- 89	- 91	- 94	- 90
14	- 81	- 65	- 94	- 99	- 95	- 88	- 81	-100	- 90	- 89	- 88	- 92	- 89
15	- 79	- 63	- 94	-100	- 97	- 91	- 83	- 97	- 87	- 88	- 88	- 91	- 88
16	- 76	- 60	- 93	- 99	- 95	- 92	- 83	- 97	- 87	- 90	- 86	- 94	- 88
17	- 80	- 64	- 92	- 99	- 97	- 91	- 84	- 93	- 86	- 95	- 86	- 92	- 89
18	- 90	- 69	- 96	-101	-102	- 92	- 83	- 99	- 88	- 95	- 88	- 89	- 91
19	- 91	- 71	- 96	-112	-107	- 99	- 83	-100	- 88	- 93	- 88	- 87	- 93
20	- 96	- 72	- 97	-116	-107	-100	- 84	-104	- 93	- 93	- 89	- 87	- 95
21	- 90	- 76	- 99	-104	- 97	- 90	- 76	- 99	- 89	- 90	- 90	- 90	- 91
22	- 90	- 74	- 98	-101	- 96	- 90	- 75	-100	- 87	- 88	- 90	- 87	- 90
23	- 89	- 74	- 96	- 98	- 94	- 88	- 74	- 99	- 83	- 86	- 89	- 89	- 88

TABLE CLXII.—*Showing the Azimuth of Wind in Winter, as Deduced from the Observations of the last Twelve Years,* 1847-58 *(inclusive).*

Göttingen Time.	Mean of Winter Months in each Year.												Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
Noon.	- 47	- 46	- 44	- 52	- 53	- 44	- 44	- 43	- 40	- 47	- 45	- 39	- 45
1	- 43	- 42	- 38	- 47	- 48	- 42	- 39	- 42	- 38	- 42	- 41	- 37	- 42
2	- 34	- 36	- 33	- 38	- 42	- 37	- 36	- 38	- 32	- 39	- 40	- 35	- 37
3	- 32	- 31	- 29	- 35	- 38	- 34	- 32	- 34	- 28	- 36	- 40	- 33	- 33
4	- 26	- 27	- 22	- 27	- 34	- 30	- 30	- 30	- 24	- 34	- 35	- 31	- 29
5	- 22	- 23	- 17	- 23	- 29	- 24	- 26	- 26	- 21	- 30	- 31	- 26	- 25
6	- 17	- 19	- 13	- 19	- 26	- 17	- 22	- 21	- 16	- 27	- 29	- 20	- 20
7	- 13	- 14	- 9	- 14	- 21	- 15	- 18	- 8	- 13	- 25	- 28	- 16	- 16
8	- 5	- 10	- 4	- 9	- 16	- 13	- 8	- 10	- 8	- 25	- 25	- 16	- 12
9	4	- 2	1	- 4	- 9	- 5	- 4	- 5	- 5	- 20	- 20	- 13	- 7
10	7	2	8	0	- 1	- 1	0	- 2	0	- 16	- 15	- 11	- 2
11	14	5	14	- 4	0	14	4	3	7	- 12	- 12	- 7	2
12	18	9	19	8	8	18	9	7	12	- 7	- 5	- 1	8
13	23	11	22	14	4	13	14	12	16	1	- 3	2	10
14	30	15	25	11	8	18	18	15	18	4	0	9	14
15	36	23	31	15	14	23	26	23	24	8	8	18	21
16	37	33	36	15	20	29	30	29	28	17	13	24	26
17	36	39	28	23	24	33	32	33	31	23	16	26	29
18	26	35	32	24	20	32	34	31	30	20	18	25	27
19	5	14	7	10	6	12	22	20	17	10	18	20	13
20	- 13	- 14	- 15	- 8	- 19	- 9	- 6	- 8	- 3	- 11	0	- 9	- 10
21	- 35	- 40	- 34	- 37	- 39	- 32	- 30	- 33	- 30	- 30	- 20	- 13	- 31
22	- 46	- 46	- 42	- 54	- 48	- 47	- 40	- 40	- 42	- 38	- 33	- 21	- 41
23	- 47	- 45	- 46	- 54	- 46	- 47	- 43	- 42	- 42	- 50	- 40	- 33	- 45

TABLE CLXIII.—*Showing the Mean Force of Wind for each Hour, as obtained from the Observations of the last Twelve Years*, 1847-58 (*inclusive*).

Göttingen Time.	Mean Hourly Force of Wind in each Year.												Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
Noon.	0·66	0·50	0·45	0·40	0·32	0·23	0·20	0·28	0·39	0·31	0·33	0·39	0·37
1	·61	·47	·38	·40	·32	·26	·20	·24	·30	·28	·28	·36	·34
2	·56	·45	·37	·30	·28	·24	·20	·25	·30	·31	·28	·35	·32
3	·60	·42	·36	·30	·28	·27	·20	·24	·35	·31	·31	·31	·33
4	·60	·39	·27	·20	·26	·21	·20	·21	·30	·30	·28	·28	·29
5	·44	·32	·18	·20	·18	·16	·20	·19	·20	·25	·19	·23	·23
6	·28	·31	·18	·10	·17	·15	·10	·17	·17	·21	·17	·19	·18
7	·27	·30	·17	·10	·15	·12	·10	·15	·17	·13	·16	·20	·17
8	·25	·26	·16	·10	·15	·12	·10	·15	·20	·17	·16	·19	·17
9	·25	·25	·17	·10	·14	·13	·20	·15	·21	·14	·14	·21	·17
10	·34	·27	·19	·10	·17	·16	·20	·14	·24	·14	·16	·23	·19
11	·35	·29	·18	·10	·16	·14	·20	·14	·21	·16	·15	·23	·19
12	·34	·25	·17	·10	·13	·13	·10	·13	·21	·12	·19	·22	·17
13	·35	·23	·14	·10	·12	·10	·10	·14	·18	·12	·16	·22	·16
14	·23	·18	·14	·10	·10	·09	·10	·11	·14	·12	·15	·23	·14
15	·21	·17	·13	·10	·10	·08	·10	·11	·14	·10	·16	·20	·13
16	·19	·18	·15	·10	·10	·08	·10	·11	·16	·11	·17	·20	·15
17	·17	·19	·15	·10	·08	·09	·10	·14	·15	·15	·17	·22	·14
18	·23	·22	·17	·10	·10	·11	·10	·14	·17	·16	·17	·22	·16
19	·29	·27	·19	·10	·11	·11	·10	·16	·16	·15	·18	·25	·17
20	·34	·33	·24	·10	·14	·13	·10	·18	·20	·19	·21	·26	·20
21	·50	·38	·32	·20	·19	·18	·20	·22	·28	·22	·24	·31	·27
22	·61	·46	·39	·30	·24	·23	·20	·24	·35	·26	·22	·37	·32
23	·66	·50	·49	·40	·29	·30	·30	·27	·40	·33	·31	·36	·38

TABLE CLXIV.—*Showing the Mean Force of Wind in Summer and Winter.*

Time.	Summer.						Winter.					
	1849.	1852.	1853.	1856.	1858.	Mean.	1849.	1852.	1853.	1856.	1858.	Mean.
Noon.	0·47	0·21	0·20	0·32	0·42	0·32	0·43	0·26	0·20	0·30	0·36	0·27
1	·37	·25	·20	·32	·42	·31	·39	·27	·20	·24	·31	·28
2	·37	·21	·20	·39	·38	·31	·36	·28	·30	·24	·32	·30
3	·35	·26	·20	·36	·32	·30	·37	·29	·30	·26	·30	·30
4	·31	·20	·20	·39	·29	·28	·24	·22	·20	·21	·26	·23
5	·27	·18	·20	·36	·31	·26	·10	·14	·10	·14	·16	·13
6	·32	·21	·20	·33	·26	·26	·04	·08	·10	·09	·11	·08
7	·31	·19	·20	·28	·29	·25	·03	·05	·00	·07	·11	·05
8	·28	·19	·20	·26	·27	·24	·04	·05	·00	·08	·10	·05
9	·32	·21	·30	·23	·33	·28	·05	·05	·00	·05	·09	·05
10	·32	·23	·30	·21	·36	·28	·06	·08	·10	·07	·10	·08
11	·29	·21	·20	·25	·36	·26	·06	·07	·10	·08	·10	·08
12	·29	·21	·20	·17	·35	·24	·05	·06	·10	·07	·10	·08
13	·24	·15	·20	·19	·34	·22	·04	·05	·10	·05	·10	·07
14	·26	·13	·10	·18	·36	·21	·02	·05	·00	·06	·10	·05
15	·24	·13	·10	·15	·28	·18	·02	·04	·00	·05	·12	·05
16	·26	·13	·10	·16	·26	·18	·03	·04	·00	·07	·14	·06
17	·27	·14	·10	·17	·28	·19	·04	·05	·00	·14	·17	·08
18	·31	·17	·10	·18	·30	·21	·04	·05	·00	·14	·15	·08
19	·32	·16	·20	·16	·33	·23	·06	·06	·10	·13	·17	·10
20	·41	·19	·20	·21	·33	·27	·08	·08	·10	·17	·19	·12
21	·41	·23	·20	·27	·37	·29	·23	·13	·10	·18	·24	·18
22	·44	·28	·30	·28	·43	·35	·34	·18	·20	·25	·31	·26
23	·51	·36	·30	·38	·38	·39	·47	·23	·20	·29	·34	·31

The temperature of different winds, calculated from the observations of this year, is as follows:—

N = 75° E = 78°0 S = 80° W = 83°0
NE = 77 SE = 79·0 SW = 82 NW = 80·0

The above given temperature is the observed temperature of wind, but the actual temperature will differ greatly from these values, as the wind does not change its direction simultaneously with the change in the temperature of air.

WEATHER.

There were about 22 cloudless days during this year. There were about 38 on which the extenet of clouds was less than $\frac{1}{10}$ part of the whole sky. Cirri prevailed in fine dry days; cirro-cumuli were now and then seen in both seasons of the year; cumuli and cumulo-strati were seen about the beginning and ending of monsoon, or about the time of occurrence of meteorological disturbances; nimbi were seen in SW monsoon, or in the rainy season, or in any storms, whether of wind, lightning, or thunder.

The fall of rain in 1858 was about 7·4 inches lower than the mean annual fall of the last twelve years. The greatest fall of rain was registered in July, and none in November, December, January, February, and March.

TABLE CLXV.—*Showing the Monthly Fall of Rain by Newman's Gauge, during the last Twelve Years,* 1847-58 (*inclusive*).

Months, 1858.	Fall of Rain in each Month.												Sum.	Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.		
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
January	0·09		0·34										0·43	0·04
February	·02												0·02	
March						0·01	0·01						0·02	
April	·31	0·58										0·15	1·04	0·09
May.....	1·40	5·67			0·52	0·30				2·09	0·57	1·61	12·16	1·01
June.....	37·56	39·98	23·41	14·80	24·50	21·76	33·70	16·34	20·18	24·66	9·26	14·44	280·59	23·38
July.....	16·46	13·90	50·99	20·15	47·02	22·17	13·06	38·95	11·83	24·48	8·74	20·12	287·87	23·99
August.....	8·68	7·37	12·66	5·38	20·03	11·16	5·95	3·90	3·82	6·73	15·71	7·47	108·86	9·07
September	5·68	2·32	26·13	4·77	3·89	12·67	9·83	13·61	5·29	7·78	14·21	15·47	121·65	10·14
October	0·28	5·85	0·75	4·89	0·04	0·19		7·49	0·06	0·06	2·78	3·22	25·61	2·13
November	5·53	0·19	0·61	0·25	0·07			1·85					8·50	0·71
December.....						1·01				0·12			1·13	0·09
Annual Fall....	76·00	75·86	114·89	50·24	96·07	69·26	62·55	82·14	41·18	65·92	51·27	62·48	—	70·65

Probable error of the annual mean ± 15.70 inches.

Denser sorts of clouds prevailed in the rainy season, and lighter sorts of clouds were observed in dry days. Solar and lunar haloes were observed when there were light cirri in the sky. Rainbows were seen in the morning or evening about the beginning and ending of the rainy season, when rainy clouds were present in the sky, accompanied with drizzling rain.

TABLE CLXVI.—*Showing the Mean Monthly extent of Clouds in the Sky, as obtained from the Observations of the last Twelve Years,* 1847-58 (*inclusive*).

Months, 1858.	Mean Extent of Clouds in the Sky, the whole Sky being = 8 parts.												Sum.	Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.		
January	2·9	0·4	0·6	0·7	1·3	0·7	1·2	2·4	1·4	2·4	2·5	0·9	17·4	1·5
February	1·5	0·2	0·8	0·5	0·5	1·5	2·4	0·6	3·1	2·1	0·3	0·9	14·4	1·2
March	3·5	0·7	1·3	1·6	1·4	1·3	1·6	0·6	1·4	1·9	0·5	1·5	17·3	1·5
April	3·5	2·7	0·9	1·2	1·6	1·9	1·4	2·0	2·8	1·2	1·6	2·5	23·3	1·9
May.....	4·6	3·3	2·6	2·0	3·6	2·8	1·9	3·4	3·1	4·1	3·6	5·0	40·0	3·3
June.....	7·2	5·6	7·2	6·2	6·2	6·4	6·5	6·4	6·7	6·6	6·3	5·4	76·7	6·4
July.....	7·5	6·2	7·1	7·1	7·3	6·7	7·4	7·8	7·8	7·7	7·2	6·7	86·5	7·2
August.....	7·5	6·6	6·5	6·8	7·0	6·8	6·8	7·2	7·1	7·0	7·7	7·2	84·2	7·0
September	6·4	4·0	6·7	5·3	5·0	6·1	4·7	5·9	6·6	5·6	6·2	5.6	68·1	5·7
October	4·1	2·9	3·0	4·8	2·5	2·6	1·5	4·7	4·2	2·8	3·3	2·8	39·2	3·3
November	1·6	1·8	2·5	1·3	2·4	1·3	1·2	3·6	1·2	1·4	1·2	1·4	20·9	1·7
December.....	0·8	1·4	0·7	1·9	0·7	2·3	0·6	2·5	1·5	1·4	0·9	2·2	16·9	1·4
Annual Mean ..	4·2	3·0	3·3	3·3	3·3	3·4	3·1	3·9	3·9	3·7	3·4	3·5	—	3·5

Probable error of annual mean ± 0·3 part of the whole sky.

TABLE CLXVII.—*Showing the Hourly Fall of Rain, during the last Twelve Years*, 1847-58 (*inclusive*).

Time.	Fall of Rain in each Year.											Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
													in.
4 P. M.	1·05	2·37	2·24	1·25	5·97	3·43	1·28	4·36	1·52	1·82	2·19	3·90	2·61
5 „	2·05	1·22	3·66	1·28	4·15	3·40	0·93	3·40	1·54	1·68	1·78	2·60	2·31
6 „	3·33	1·19	5·21	1·92	2·78	1·49	1·54	6·14	0·82	1·94	1·20	3·49	2·59
7 „	1·61	2·70	5·33	2·25	2·06	1·68	2·66	5·80	2·68	3·21	1·14	1·94	2·75
8 „	1·56	2·58	5·24	3·45	2·84	1·84	2·29	3·91	4·10	4·43	1·52	1·99	2·98
9 „	1·46	2·61	5·49	1·95	3·05	1·71	1·78	2·66	2·36	2·42	1·89	2·25	2·47
10 „	2·33	3·65	5·03	3·31	5·36	2·37	1·59	3·80	1·54	4·76	1·67	2·99	3·20
11 „	2·32	3·23	4·67	1·76	4·77	2·23	2·01	4·09	0·68	2·54	1·85	1·72	2·66
Midnight.	3·91	4·64	5·40	2·32	4·60	2·38	1·58	1·98	0·57	1·37	2·53	3·38	2·89
1 A. M.	2·41	3·52	6·09	3·77	4·26	3·62	2·01	2·04	0·97	1·68	2·43	2·48	2·94
2 „	5·41	3·54	5·05	2·74	3·50	2·74	1·67	2·47	1·41	2·53	2·74	2·43	2·99
3 „	2·97	2·47	4·79	1·41	4·88	2·91	2·71	2·14	1·32	2·04	3·93	1·84	2·78
4 „	6·97	2·14	5·28	2·17	3·41	2·87	5·85	3·38	1·35	2·71	1·92	2·86	3·41
5 „	5·64	2·01	5·67	2·78	5·23	2·57	3·48	2·97	2·10	2·15	1·74	1·88	3·18
6 „	5·57	2·87	5·47	2·01	2·92	3·91	1·85	3·76	1·44	2·72	1·28	1·24	2·92
7 „	6·23	4·27	5·42	1·87	2·55	4·07	2·88	2·37	1·74	2·27	1·84	2·36	2·99
8 „	2·17	4·20	6·17	2·56	3·51	3·67	5·02	4·07	3·08	2·91	2·19	1·77	3·44
9 „	3·82	5·23	4·20	1·34	3·42	3·61	4·81	4·96	2·16	2·76	2·28	3·28	3·49
10 „	1·94	3·43	5·08	1·22	5·06	4·14	3·35	2·75	3·05	5·18	2·57	2·62	3·37
11 „	2·88	2·97	3·43	1·66	3·76	5·07	3·51	2·77	1·98	3·76	1·92	2·65	3·03
Noon.	2·16	2·97	4·01	1·04	3·44	2·60	2·57	2·48	1·96	2·60	1·53	3·06	2·54
1 P. M.	2·65	2·16	3·36	3·45	4·80	3·12	2·10	2·61	0·95	2·22	3·09	2·00	2·71
2 „	2·44	3·60	4·37	1·00	5·08	1·80	2·84	3·74	0·57	1·41	3·79	2·57	2·77
3 „	4·05	4·31	4·23	1·73	4·67	2·03	2·22	3·49	1·29	2·81	2·25	5·15	3·19

TABLE CLXVIII.—*Showing the mean Hourly Portion of Cloudy Sky, during the last Twelve Years*, 1847-58 (*inclusive*).

Time.	Mean Hourly Portion of Cloudy Sky in each Year.											Mean.
	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	
4 P. M.	4·4	3·0	3·4	3·3	3·2	3·2	3·1	4·0	3·9	3·8	3·4	3·5	3·5
5 „	4·3	2·9	3·6	3·4	3·4	3·5	3·4	4·0	4·0	3·9	3·6	3·6	3·6
6 „	4·3	2·9	3·6	3·6	3·5	3·5	3·4	3·9	4·1	3·9	3·6	3·6	3·7
7 „	4·0	2·6	3·4	3·3	3·2	3·2	3·0	3·6	3·8	3·6	3·3	3·5	3·4
8 „	3·4	2·4	3·0	3·0	3·0	2·9	2·8	3·4	3·6	3·5	3·2	3·2	3·1
9 „	3·3	2·4	3·2	3·0	3·1	2·9	2·8	3·5	3·5	3·4	3·2	3·2	3·1
10 „	3·6	2·6	3·2	3·1	3·1	3·0	2·8	3·6	3·5	3·3	3·2	3·4	3·2
11 „	3·7	2·8	3·2	3·1	3·2	3·1	2·8	3·6	3·5	3·4	3·2	3·4	3·2
Midnight.	3·8	2·8	3·2	3·2	3·1	3·3	3·0	3·8	3·6	3·5	3·4	3·5	3·4
1 A. M.	4·0	2·9	3·4	3·2	3·3	3·5	2·9	4·0	3·8	3·5	3·3	3·4	3·4
2 „	4·2	2·9	3·5	3·2	3·2	3·5	3·0	4·0	3·8	3·6	3·3	3·4	3·5
3 „	4·1	2·9	3·4	3·3	3·2	3·5	3·0	3·9	3·6	3·4	3·3	3·4	3·4
4 „	4·1	3·0	3·4	3·1	3·2	3·4	2·9	3·8	3·8	3·5	3·2	3·4	3·4
5 „	4·5	3·1	3·7	3·3	3·5	3·6	3·4	4·2	4·1	3·7	3·4	3·9	3·7
6 „	4·9	3·5	3·8	3·7	3·9	3·9	3·6	4·5	4·5	4·1	3·7	4·0	4·0
7 „	4·8	3·4	3·8	3·7	3·9	3·8	3·6	4·5	4·4	4·3	3·8	4·1	4·0
8 „	4·8	3·4	3·7	3·7	3·7	3·6	3·6	4·2	4·3	4·0	3·6	3·9	3·9
9 „	4·8	3·5	3·5	3·5	3·6	3·6	3·5	4·2	4·3	3·9	3·6	3·7	3·8
10 „	4·8	3·2	3·4	3·4	3·3	3·4	3·2	4·0	4·2	3·7	3·5	3·5	3·6
11 „	4·7	3·2	3·2	3·2	3·2	3·3	2·9	3·8	3·9	3·7	3·5	3·4	3·5
Noon.	4·5	3·1	3·2	3·1	3·0	3·2	2·9	3·9	3·8	3·8	3·3	3·3	3·4
1 P. M.	4·4	3·1	3·2	3·2	3·3	3·2	3·2	4·0	3·9	3·7	3·3	3·3	3·5
2 „	4·3	3·0	3·2	3·2	3·2	3·1	3·1	3·9	3·8	3·6	3·4	3·4	3·4
3 „	4·3	3·0	3·2	3·2	3·1	3·2	3·0	4·0	3·8	3·7	3·3	3·4	3·4

Lightning was registered from March to July and in the months of September and October. There were during this year 39 days of lightning, and 25 days of lightning with thunder, and 1 day only of thunder without lightning. Forked lightning and rolling thunder were noticed during the prevalence of great thunder storms, which lasted for a few hours.

DISTURBANCES.

There were about 52 disturbance days during this year, but there were only 8 days on which the force of wind was above 4 pounds. In all the wind-storms of the dry season, the barometer was low on the day of their occurrence; the temperature high; the wind abnormal, and the force of wind high; the sky densely clouded with heavy clouds, with lightning, thunder, and rain.

TABLE CLXIX.—*Showing the Changes of all the Meteorological Elements during the Year* 1858, *reduced from the separate Results of each Element in the preceding Pages.*

Names of Elements.	Diurnal Ranges.			Periodical Changes.			Difference between Day and Night.		
	Winter.	Summer.	Mean Range.	Mean Value in Winter.	Mean Value in Summer.	Annual Mean.	Mean for Day Time.	Mean for Night Time.	Difference.
Standard Barometer, No. 58.	0·116	0·086	0·101	29·900	29·723	29·812	29·818	29·806	0·312
Temperature of Free Air.	12·4	7·3	10·1	77·4	82·9	80·1	82·3	79·9	2·4
Temperature of Air within the Observatory.	6·5	3·8	5.1	80·1	84·4	82·3	83·1	81·5	1·6
Temperature of Air in contact with the ground.	10·2	6·7	8·5	77·2	83·0	80·1	81·9	78·3	3·6
Temperature of ground 6 inches below its surface.	2·6	4·8	3·7	77·7	82·9	80·3	80·4	80·2	0·2
Temperature of ground 20 inches below its surface.	....	....	....	78·8	82·8	80·8	....	....	....
Temperature of ground 60 inches below its surface.	....	....	....	81·3	83·8	82·5	....	....	....
Temperature of Evaporation.	6·3	3·6	5·0	71·7	78·7	75·2	75·9	74·5	1·4
Temperature of Dew Point.	4·7	2·3	3·0	69·1	77·1	73·1	73·7	73·4	0·3
Pressure of Moisture.	0·107	0·068	0·88	0·713	0·917	0·815	0·818	0·810	0·008
Humidity of Air.	0·24	0·16	0·20	0·77	0·84	0·81	0·76	0·86	0·10
Pressure of supposed Dry Air.	0·198	0·104	0·151	29·188	28·806	28·997	29·000	28·996	0·004
Weight of a Cubic foot of common Air.	17	10	14	505	495	500	498	503	5
Weight of water in a Cubic foot of common Air.	1·0	0·7	0·9	7·7	9·9	8·8	8·8	8·8	0·0
Weight required for complete saturation of a Cubic foot.	3·6	2·6	3·1	2·3	1·9	2·1	2·9	1·4	1·5
Quantity of water evaporated.	0·013	0·010	0·011	38·613	32·758	71·381	0·010	0·005	0·005
Azimuth of Wind.....	- 70.	- 27	- 48	- 10	- 91	- 51	- 45	- 55	- 10
Force of Wind	0·36	0·39	0·38	0·19	0·33	0·26	0·28	0·24	0·04
Extent of cloudy sky	1·3	1·6	1·5	1·6	5·4	3·5	3·6	3·4	0·1
Fall of rain by Newman's gauge..	....	....	....	3·33	60·06	63·39	33·20	29·25	3·95

BOMBAY MAGNETICAL OBSERVATORY.

TIDAL OBSERVATIONS

FOR 1858.

TIDAL OBSERVATIONS DURING 1858.

The time of high-water was reduced from the curves of the Self-registering Tidal Apparatus. The observations so obtained are not considered satisfactory, as the cocks of the syphon, chiefly the lower one, are not supposed to be completely air-tight; but the repairs of the lower cock would cause a break in the tidal curves. At least for about a month or two it had been thought advisable to use the Apparatus in its present condition. It has been said in the Introduction of the volume for 1847, that the farthest end of the syphon is about four feet below the lowest ebbing mark, but this is not true. It was observed, on the 2nd of December 1857, that that end was a quarter of a foot above the level of the sea, and the water from the tide-well was slowly running out.

Having thus explained, and as had been already mentioned in the preceding volumes, that the registry is frequently broken by the manifold disadvantages under which the Apparatus works, it cannot be any longer considered a perfect instrument.

The Daily Observations, though broken in some instances, are given in the following pages.

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.	Time of ☽'s Transit.	High Water. Time.	High Water. Height in Feet.	Low Water. Time.	Low Water. Height in Feet.	Range of Tide.		
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
JANUARY, 1858. 1	14.03	14.25	5.0	20.15	-2.2	7.2	1.31	1.00	3.1	6.25	-5.4	8.5	10.4	15.8
2	14.56	15.10	4.9	20.55	-2.3	7.2	2.29	1.40	3.1	7.35	-4.7	7.8	9.6	16.8
3	15.44	15.49	4.3	21.44	-2.6	6.9	3.20	2.34	2.8	8.19	-4.2	7.0	8.5	17.8
4	16.29	16.29	3.5	22.34	-3.0	6.5	4.06	3.19	2.0	8.44	-3.6	5.6	7.1	18.8
5	17.11	16.48	2.6	23.18	-3.0	5.6	4.50	4.18	1.4	9.58	-2.9	4.3	5.6	19.8
6	17.52	17.23	2.4	24.13	-3.1	5.5	5.31	5.18	0.8	11.08	-1.9	2.7	5.5	20.8 ☾
7	18.34	17.42	1.6	24.57	-3.3	4.9	6.13	6.43	0.6	12.17	-1.0	1.6	4.9	21.8
8	18.17	18.42	1.0	26.07	-3.6	4.6	6.56	8.33	0.6	13.42	-0.4	1.0	4.6	22.8
9	20.02	19.31	0.3	26.56	-4.2	4.5	7.40	9.36	0.9	14.46	-0.5	1.4	5.1	23.8
10	20.50	20.46	0.4	27.45	-4.5	4.9	8.26	10.41	1.2	16.06	-1.0	2.2	5.7	24.8 A
11	21.40	21.55	0.5	28.40	-4.7	5.2	9.15	11.40	1.3	17.10	-1.3	2.6	6.0	25.8
12	22.32	22.55	0.7	29.15	-4.7	5.4	10.06	12.15	1.6	18.10	-1.6	3.2	6.3	26.8
13	23.25	23.50	1.4	29.45	-4.7	6.1	10.59	12.45	2.2	18.40	-1.6	3.8	6.9	27.8
14							11.51	13.14	2.6	19.09	-1.9	4.5	3.7	28.8 ●
15	0.17	0.19	1.6	6.24	-4.8	6.4	12.42	13.44	2.9	19.39	-2.2	5.1	7.7	0.1
16	1.06	1.08	1.7	6.43	-4.9	6.6	13.30	14.23	3.2	20.03	-2.3	5.5	8.1	1.1
17	1.54	1.38	1.8	7.33	-4.6	6.4	14.17	14.48	3.3	20.23	-2.7	6.0	7.9	2.1
18	2.39	2.12	1.8	8.07	-4.4	6.2	15.01	15.12	3.3	21.07	-3.3	6.6	7.7	3.1
19	3.23	2.52	1.6	8.37	-4.3	5.9	15.45	15.37	2.7	21.42	-3.6	6.3	7.0	4.1
20	4.07	3.41	1.2	9.16	-3.6	4.8	16.30	16.06	2.7	22.31	-3.6	6.3	6.3	5.1
21	4.53	4.21	1.1	10.06	-3.1	4.2	17.18	16.41	2.3	23.36	-3.9	6.2	6.2	6.1
22	5.40	5.35	0.8	10.48	-1.9	2.7	18.06	17.10	2.3	24.05	-4.0	6.3	6.3	7.1 ☽
23	6.32	7.15	1.0	12.48	-1.3	2.3	19.01	17.48	1.8	25.15	-4.2	6.0	6.0	8.1
24	7.29	9.05	1.3	14.05	-0.9	2.2	20.01	19.00	1.4	26.35	-4.7	6.1	6.1	9.1
25	8.31	10.08	1.4	15.25	-1.1	2.5	21.04	19.20	1.0	—	—	—	—	10.1
26	9.38						22.10							11.1 P
27	10.43						23.13							12.1
28	11.45													13.1
29	12.41	13.30	4.3	19.25	-2.6	6.9	0.13	—	—	6.15	-5.4	—	9.7	14.1 ○
30	13.33	14.05	4.4	20.00	-2.9	7.3	1.06	0.50	3.1	7.05	-5.0	8.0	9.4	15.1
31	14.19	14.45	4.4	20.45	-3.1	7.5	1.56	1.40	3.1	7.40	-4.6	7.7	9.0	16.1
FEBRUARY, 1858. 1	15.03	15.10	4.2	21.10	-3.3	7.5	2.41	2.25	2.6	8.15	-4.0	6.6	8.2	17.1
2	15.46	15.30	3.3	21.45	-3.5	6.8	3.25	3.08	2.4	8.45	-3.1	5.5	6.8	18.1
3	16.28	15.50	2.6	22.40	-3.5	6.1	4.07	3.55	1.7	9.15	-2.6	4.3	6.1	19.1
4	17.11	16.25	1.6	23.10	-3.5	5.1	4.50	4.35	1.0	10.15	-2.1	3.1	5.1	20.1
5	17.56	16.35	1.2	23.50	-3.5	4.7	5.34	5.20	0.4	11.20	-1.3	1.7	4.7	21.1 ☾
6	18.43	17.05	0.7	24.50	-3.6	4.3	6.20	7.05	0.2	12.40	-0.6	0.8	4.3	22.1
7	19.32	18.30	0.0	25.55	-3.7	3.7	7.08	9.15	0.5	14.35	-0.6	1.1	4.2	23.1 A
8	20.24	20.15	-0.4	27.10	-4.2	3.8	7.58	10.35	1.0	16.30	-0.7	1.7	5.2	24.1
9	21.18	21.35	-0.1	28.20	-4.4	4.3	8.51	11.15	1.1	17.05	-1.4	2.5	5.5	25.1
10	22.09	22.40	0.4	29.05	-4.7	5.1	9.44	12.00	1.3	18.10	-1.9	3.2	6.0	26.1
11	23.00	23.25	0.8	29.40	-4.8	5.6	10.34	12.35	1.6	18.15	-2.4	4.0	6.4	27.1
12	23.49						11.24	12.50	1.9	18.35	-2.6	4.5	4.5	28.1
13		0.10	1.4	6.15	-4.7	6.1	12.12	13.20	2.7	19.15	-2.6	5.3	7.4	29.1 ●
14	0.35	0.40	2.2	6.30	-4.7	6.9	12.58	13.40	3.3	19.25	-3.2	6.5	8.0	0.4
15	1.21	1.20	2.3	7.00	-4.6	6.9	13.48	14.20	3.5	19.50	-3.4	6.9	8.1	1.4
16	2.05	2.15	2.5	7.50	-4.0	6.5	14.28	14.40	3.7	20.35	-3.6	7.3	7.7	2.4
17	2.50	3.05	2.6	8.20	-3.3	5.9	15.14	15.05	3.3	20.55	-3.9	7.2	7.6	3.4
18	3.37	3.40	2.3	9.00	-2.7	5.0	16.03	15.25	3.2	21.40	-4.2	7.4	7.4	4.4
19	4.29	4.20	1.8	9.45	-2.2	4.0	16.57	16.45	2.6	22.45	-4.2	6.8	6.8	5.4
20	5.24						17.54							6.4 ☽
21	6.23						18.54							7.4
22	7.26						19.58							8.4 P
23	8.30						21.01							9.4
24	9.32						22.00							10.4
25	10.28						22.54							11.4
26	11.21	The clock out of order.					23.45	The clock out of order.						12.4
27	12.09													13.4 ⊙
28	12.54						0.32							14.4
29														
30														
31														

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MARCH, 1858. 1	13.38						1.16							15.4
2	14.20						1.59							16.4
3	15.04						2.42							17.4
4	15.58						3.23							18.4
5	16.35						4.22							19.4
6	17.23						5.00							20.4
7	18.15						5.49							21.4 ☽
8	19.08						6.41							22.4
9	19.59						7.33							23.4
10	20.50						8.24							24.4
11	21.39	The clock was out of order.					9.14	The clock was out of order.						25.4
12	22.27						10.02							26.4
13	23.13						10.50							27.4
14	23.58						11.36							28.4
15							12.22							29.4 ●
16	0.45						13.09							0.8
17	1.32						13.58							1.8
18	2.24						14.52							2.2
19	3.18						15.48							3.8 P
20	4.17						16.48							4.8
21	5.20						17.52							5.8
22	6.24	5.54	1.9	12.42	-1.2	3.1	18.54	17.31	0.3	24.30	-4.2	4.5	6.1	6.8 ☾
23	7.24	8.09	1.4	14.17	-1.4	2.8	19.53	18.41	0.3	25.50	-3.9	4.2	5.3	7.8
24	8.23	9.26	1.7	15.37	-1.6	3.3	20.49	20.56	0.7	27.30	-3.8	4.5	5.5	8.8
25	9.14	10.14	2.4	16.27	-2.6	5.0	21.38	22.21	1.4	28.20	-3.8	5.2	6.2	9.8
26	10.03	11.09	2.8	17.23	-2.6	5.4	22.26	23.14	2.1	29.15	-3.6	5.7	6.4	10.8
27	10.48	11.49	3.2	18.52	-3.3	6.5	23.10						6.5	11.8
28	11.31	12.19	3.3	18.22	-3.6	6.9	23.53	0.11	2.5	6.05	-3.3	5.8	6.9	12.8
29	12.14	12.53	3.2	18.47	-4.2	7.4		0.41	2.8	6.44	-3.3	6.1	7.4	13.8 ○
30	12.57	13.18	3.1	19.22	-4.4	7.5	0.36	1.31	2.9	7.14	-2.6	5.5	7.5	14.8
31	13.42	13.28	2.6	20.07	-4.6	7.2	1.20	2.11	2.8	7.44	-2.5	5.3	7.2	15.8
APRIL, 1858. 1	14.27	14.00	2.0	20.13	-4.7	6.7	2.05	2.43	2.6	8.11	-2.4	5.0	7.3	16.8
2	15.16	14.22	1.8	21.00	-4.8	6.6	2.51	3.02	2.0	8.34	-2.4	4.4	6.8	17.8
3	16.07	14.45	1.3	21.14	-4.4	5.7	3.41	3.29	1.3	9.17	-2.3	3.6	5.7	18.8
4	16.57	14.48	0.6	21.47	-4.1	4.7	4.32	4.12	0.9	10.10	-1.6	2.5	5.0	19.8 A
5	17.50	15.36	0.1	22.35	-3.6	3.7	5.23	5.05	0.6	10.58	-1.3	1.9	4.2	20.8
6	18.40	16.34	-0.5	23.52	-3.4	2.9	6.15	6.08	0.4	12.56	-1.2	1.6	3.8	21.8 ☽
7	19.27	18.37	-0.6	25.16	-3.2	2.6	7.05	8.16	0.4	14.14	-1.4	1.8	3.6	22.8
8	20.18	20.35	-0.3	26.34	-3.3	3.0	7.53	9.39	0.5	15.22	-2.1	2.6	3.8	23.8
9	21.03	22.13	0.4	27.27	-3.3	3.7	8.41	10.27	0.6	16.10	-2.7	3.3	3.9	24.8
10	21.49	22.36	1.5	28.15	-3.0	4.5	9.26	10.50	1.6	16.48	-3.0	4.6	4.6	25.8
11	22.34	23.40	2.4	29.10	-3.0	5.4	10.12	11.10	2.8	17.45	-3.3	6.1	6.1	26.8
12	23.22						10.58	11.30	3.0	17.55	-4.0	7.0	7.0	27.8
13		0.40	3.0	5.50	-2.7	5.7	11.48	12.05	3.3	18.25	-4.6	7.9	7.9	28.8 ●
14	0.12	1.10	3.5	6.45	-2.6	6.1	12.40	12.35	3.4	18.55	-5.1	8.5	8.6	0.3
15	1.07	1.45	3.8	7.30	-2.4	6.2	13.37	13.10	3.3	19.25	-5.5	8.8	9.3	1.3 P
16	2.06	2.35	3.8	8.10	-2.0	5.8	14.38	13.30	2.9	20.05	-5.4	8.3	9.2	2.3
17	3.10	3.20	3.1	8.55	-2.0	5.1	15.43	14.15	2.3	21.00	-5.1	7.4	8.2	3.3
18	4.15	4.25	2.4	9.50	-2.0	4.4	16.46	15.20	1.3	22.05	-4.9	6.2	7.3	4.3
19	5.18	5.30	1.8	11.15	-2.1	3.9	17.48	16.15	0.7	23.25	-4.6	5.3	6.4	5.3
20	6.18	6.45	1.1	12.45	-2.2	3.3	18.45	17.35	0.0	24.05	-4.1	4.1	5.2	6.3 ☾
21	7.12	7.53	0.6	13.58	-2.7	3.3	19.36	19.28	0.1	25.33	-3.8	3.7	4.4	7.3
22	8.01	8.46	1.5	15.05	-3.2	4.7	20.24	20.56	0.3	26.40	-3.8	4.1	5.3	8.3
23	8.46	9.40	1.7	15.45	-3.8	5.5	21.08	22.18	0.8	27.45	-3.5	4.3	5.5	9.3
24	9.29	10.22	2.1	16.42	-3.8	5.9	21.50	22.57	1.3	28.52	-2.8	4.1	5.9	10.3
25	10.11	10.55	2.2	16.55	-4.3	6.5	22.33	23.45	2.1	29.45	-2.6	4.7	6.5	11.3
26	10.54	11.35	2.2	17.10	-4.6	6.8	23.16						6.8	12.3
27	11.37	12.00	2.2	17.47	-4.7	6.9	24.00	0.17	2.3	6.27	-2.5	4.8	7.0	13.3 ⊙
28	12.22	12.30	2.2	18.05	-5.3	7.5		0.40	2.7	6.55	-2.6	5.3	8.0	14.3
29	13.10	13.05	2.3	18.40	-5.8	8.1	0.46	1.18	2.9	7.28	-3.1	6.0	8.7	15.3
30	14.00	13.30	2.4	19.20	-6.2	8.6	1.35	1.55	3.1	8.05	-3.3	6.4	9.3	16.3

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
MAY, 1858. 1	14.50	13.25	1.8	20.00	-4.2	6.0	2.26	2.51	2.9	8.46	-1.4	4.3	7.1	17.3 A
2	15.43	13.48	0.9	20.43	-4.3	5.2	3.16	3.32	2.3	9.27	-1.4	3.7	6.6	18.3
3	16.33	14.20	0.3	21.45	-4.3	4.6	4.08	4.24	1.6	9.59	-1.5	3.1	5.9	19.3
4	17.22						4.57							20.3
5	18.10	15.24	-0.3	22.59	-4.1	3.8	5.45	5.38	0.7	11.08	-1.5	2.2	4.8	21.3 ☾
6	18.55	17.00	-0.7	23.49	-3.6	2.9	6.33	6.50	0.6	12.25	-1.8	2.4	4.2	22.3
7	19.39	18.38	-1.1	24.28	-3.5	2.4	7.17	7.42	0.5	13.27	-2.5	3.0	4.0	23.3
8	20.24	20.15	-0.8	25.45	-3.6	2.8	8.02	8.20	0.5	14.50	-3.3	3.8	4.1	24.3
9	21.09	21.47	-0.1	26.16	-3.7	3.6	8.47	9.21	0.7	15.26	-3.9	4.6	4.6	25.3
10	21.58	22.49	0.6	27.34	-3.4	4.0	9.34	10.03	1.0	16.03	-4.4	5.4	5.4	26.3
11	22.50	23.11	1.0	28.31	-3.3	4.3	10.25	10.36	1.2	16.36	-5.2	6.4	6.4	27.3
12	23.48	23.47	2.8	28.50	-2.4	5.2	11.19	10.50	2.0	17.50	-5.5	7.5	8.3	28.3 ●
13							12.20	11.10	2.3	18.10	-5.7	8.0	8.0	0.0
14	0.51	0.51	3.3	5.46	-2.3	5.6	13.24	12.11	2.4	19.06	-5.6	8.0	8.9	1.0 P
15	1.58	1.42	3.5	6.17	-2.0	5.5	14.32	13.12	2.6	20.02	-5.2	7.8	8.7	2.0
16	3.06	2.33	4.0	8.13	-1.6	5.6	15.37	14.18	2.7	20.53	-4.3	7.0	8.3	3.0
17	4.10	3.19	4.0	9.14	-1.4	5.4	16.38	15.29	2.5	21.59	-3.4	5.9	7.4	4.0
18	5.07	4.25	4.2	10.10	-0.7	4.9	17.33	16.35	1.8	22.50	-2.9	4.7	7.1	5.0
19	5.59	5.26	3.9	11.06	-1.0	4.9	18.22	17.51	1.3	24.06	-2.6	3.9	6.5	6.0 ☽
20	6.45	6.27	3.4	12.52	-1.2	4.6	19.07	19.32	1.3	25.27	-1.9	3.2	5.3	7.0
21	7.29	7.18	3.0	13.53	-1.8	4.8	19.50	21.08	0.6	26.30	-2.5	3.1	5.5	8.0
22	8.11	8.14	2.7	14.59	-2.3	5.0	20.32	22.10	0.3	27.35	-3.0	3.3	5.7	9.0
23	8.53	8.51	0.7	15.36	-4.6	5.3	21.14	23.00	0.6	28.56	-3.0	3.6	5.3	10.0
24	9.35	9.47	0.6	15.57	-5.1	5.7	21.58	23.37	0.8	29.27	-3.0	3.8	5.9	11.0
25	10.19	10.08	0.4	16.33	-5.5	5.9	22.43						5.9	12.0
26	11.06	10.59	0.4	17.04	-5.6	6.0	23.31	0.34	1.3	6.14	-2.8	4.1	6.9	13.0
27	11.55	11.30	0.4	17.40	-5.5	5.9		1.10	1.3	6.50	-2.8	4.1	7.0	14.0 ☉
28	12.45	11.51	0.2	18.21	-6.0	6.2	0.21	1.41	0.9	7.31	-3.2	4.1	6.9	15.0
29	13.38	12.32	0.0	18.52	-6.1	6.1	1.11	2.22	0.8	7.57	-3.3	4.1	6.9	16.0 A
30	14.23	13.08	-0.2	19.28	-6.0	5.8	2.02	2.58	0.6	8.33	-3.3	3.9	6.6	17.0
31	15.18	13.39	-0.2	19.49	-5.8	5.6	2.53	3.34	0.5	9.14	-3.2	3.7	6.	18.0
JUNE, 1858. 1	16.06	14.22	0.6	21.12	-3.6	4.2	3.42	3.41	2.1	9.46	-1.6	3.7	5.7	19.0
2	16.50	15.18	0.4	21.53	-3.2	3.6	4.28	4.27	2.1	10.13	-1.8	3.9	5.3	20.0
3	17.34	16.44	0.3	22.29	-2.7	3.0	5.12	5.18	1.9	11.23	-2.0	3.9	4.8	21.0
4	18.17	18.20	0.3	23.50	-2.4	2.7	5.56	5.49	1.8	12.24	-2.2	4.0	4.2	22.0 ☾
5	19.01	19.51	0.6	25.01	-2.1	2.7	6.39	6.30	1.9	13.40	-2.7	4.6	4.6	23.0
6	19.46	20.57	1.4	26.17	-1.4	2.8	7.24	7.16	1.9	14.31	-3.3	5.2	5.2	24.0
7	20.36	22.08	1.3	27.13	-1.8	3.1	8.12	7.52	1.9	15.22	-4.1	6.0	6.0	25.0
8	21.30	22.59	1.8	28.29	-1.7	3.5	9.04	7.58	1.7	15.58	-5.1	6.8	6.9	26.0
9	22.29	23.55	2.7	29.25	-1.8	4.5	10.00	9.49	1.8	16.39	-5.7	7.5	8.4	27.0
10	23.36						11.03	10.45	2.0	17.25	-5.8	7.8	7.8	28.0
11		0.21	2.7	6.22	-2.1	4.8	12.10	11.46	1.8	17.56	-6.0	7.8	8.7	29.0P ●
12	0.44	1.48	2.9	7.18	-2.4	5.3	13.17	12.22	2.0	18.52	-6.1	8.1	9.0	0.7
13	1.52	2.19	3.7	8.09	-2.3	6.0	14.22	13.18	2.1	19.43	-5.9	8.0	9.6	1.7
14	2.54	3.15	3.2	9.00	-2.8	6.0	15.22	14.24	1.6	20.49	-5.6	7.2	8.8	2.7
15	3.50	4.06	2.6	9.51	-3.2	5.8	16.15	15.15	1.0	21.50	-5.0	6.0	7.6	3.7
16	4.41	5.02	2.2	11.02	-3.4	5.6	17.04	16.31	0.4	22.36	-4.3	4.7	6.5	4.7
17	5.26	5.28	1.6	11.48	-3.6	5.2	17.48	17.42	0.2	23.17	-3.8	4.0	5.4	5.7
18	6.09	6.19	1.2	12.54	-3.9	5.1	18.31	19.03	-0.2	24.43	-2.9	2.7	5.1	6.7 ☽
19	6.52	7.05	0.8	14.00	-4.2	5.0	19.13	20.44	-0.2	25.59	-2.1	1.9	5.0	7.7
20	7.34	7.26	0.7	14.26	-4.4	5.1	19.56	21.10	-0.2	27.00	-2.0	1.8	5.1	8.7
21	8.18	8.26	0.4	15.26	-4.6	5.0	20.41	22.20	0.7	28.36	-2.0	2.7	5.3	9.7
22	9.03	9.20	0.3	15.40	-4.7	5.0	21.28	23.00	0.8	29.25	-1.6	2.4	5.5	10.7
23	9.52	9.55	0.7	16.00	-4.1	4.8	22.17	23.20	2.8	29.45	-0.7	3.5	6.9	11.7
24	10.42	10.10	1.4	16.15	-3.7	5.1	23.08	23.40	4.0	30.05	-0.9	4.9	7.7	12.7
25	11.32	10.50	1.9	17.25	-3.8	5.7	23.58						5.7	13.7 A
26	12.25	11.50	2.1	17.55	-3.6	5.7		1.00	3.5	6.25	-1.3	4.8	7.1	14.7 ☉
27	13.15	12.40	1.8	18.35	-3.7	5.5	0.50	1.45	3.1	7.30	-1.2	4.3	6.8	15.7
28	14.03	13.05	1.8	19.20	-3.7	5.5	1.39	2.15	2.9	8.00	-1.2	4.1	6.6	16.7
29	14.49	13.45	1.3	19.45	-3.7	5.0	2.26	2.45	2.8	8.40	-1.7	4.5	6.5	17.7
30	15.32	14.20	1.2	20.35	-3.5	4.7	3.11	3.15	2.6	9.10	-1.9	4.5	6.1	18.7

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
JULY, 1858. 1	16.15	15.10	1.0	21.20	-3.3	4.3	3.53	3.35	2.6	9.50	-2.1	4.7	5.9	19.7
2	16.57	16.30	0.9	22.00	-2.5	3.4	4.36	4.20	2.4	11.00	-2.3	4.7	4.9	20.7
3	17.40	17.40	0.8	23.35	-2.1	2.9	5.19	5.05	2.4	11.55	-2.6	5.0	5.0	21.7 ☾
4	18.27	19.00	0.7	24.15	-1.6	2.3	6.04	5.35	2.1	12.40	-3.2	5.3	5.3	22.7
5	19.16	20.30	1.2	25.30	-0.9	2.1	6.52	6.00	1.9	13.25	-3.8	5.7	5.7	23.7
6	20.12	21.55	1.6	26.30	-0.8	2.4	7.45	6.55	1.7	14.30	-4.1	5.8	5.8	24.7
7	21.14	22.30	2.5	27.55	-0.6	3.1	8.44	7.45	1.8	15.00	-4.2	6.0	6.7	25.7
8	22.20	23.30	3.3	29.15	-0.8	4.1	9.47	8.55	1.7	15.40	-4.5	6.2	7.8	26.7
9	23.29	24.05	4.6	29.40	-1.1	4.7	10.54	10.20	2.6	16.50	-4.0	6.6	8.6	27.7 P
10							12.01	11.15	3.0	18.00	-3.8	6.8	6.8	28.7 ●
11	0.34	0.50	5.4	6.20	-1.2	6.6	13.04	12.10	3.5	18.15	-4.1	5.6	9.5	0.4
12	1.35	2.10	4.6	7.10	-1.6	6.2	14.02	13.15	3.6	19.15	-3.4	7.0	8.0	1.4
13	2.29	2.25	6.2	8.15	-2.0	8.2	14.54	14.20	3.6	19.50	-2.6	6.2	8.8	2.4
14	3.19	3.10	4.9	9.05	-1.9	6.8	15.42	15.10	2.8	21.00	-2.6	5.4	7.5	3.4
15	4.04	3.55	4.5	9.40	-1.8	6.3	16.26	15.45	3.0	21.10	-1.1	4.1	6.3	4.4
16	4.48	4.15	4.4	10.15	-1.9	6.3	17.10	16.45	2.9	23.15	-0.3	3.2	6.3	5.4
17	5.31	4.40	3.0	11.45	-2.2	5.2	17.53	18.10	1.3	25.00	-0.1	1.4	5.2	6.4 ☽
18	6.15	5.35	1.8	13.00	-2.5	4.3	13.30	20.35	0.8	25.45	-0.1	0.9	4.3	7.4
19	7.00	6.00	1.0	13.35	-2.9	3.9	19.24	22.05	0.5	27.35	-0.4	0.9	3.9	8.4
20	7.48	8.15	0.4	14.35	-3.3	3.7	20.13	23.30	0.0	29.00	-1.6	1.6	3.7	9.4
21	8.36	9.00	-0.4	16.10	-4.3	3.9	21.02	24.00	0.8	29.50	-2.1	2.9	5.1	10.4
22	9.29	10.00	-0.2	17.35	-4.5	4.3	21.54						4.3	11.4 A
23	10.20	10.35	0.2	17.50	-4.7	4.9	22.45	0.15	1.2	6.20	-2.3	3.5	5.9	12.4
24	11.11	11.00	0.7	18.20	-4.5	5.2	23.35	0.40	1.6	6.45	-2.3	3.9	6.1	13.4
25	11.59	11.40	1.2	18.35	-4.6	5.8		1.10	1.7	7.05	-2.3	4.0	6.3	14.4 ○
26	12.47	12.15	1.6	19.25	-4.4	6.0	0.23	1.30	1.8	7.20	-2.3	4.1	6.2	15.4
27	13.31	13.00	1.8	19.50	-3.8	5.6	1.09	1.50	2.0	7.45	-2.3	4.3	5.8	16.4
28	14.14	13.35	1.8	20.05	-3.8	5.6	1.52	2.10	2.2	7.55	-2.3	4.5	6.0	17.4
29	14.56	14.25	1.3	20.30	-3.6	4.9	2.35	2.40	2.4	8.30	-3.0	5.4	6.0	18.4
30	15.39	15.10	0.8	20.45	-3.4	4.2	3.18	2.55	2.6	9.20	-3.5	6.1	6.1	19.4
31	16.27	16.05	0.4	21.30	-2.7	3.1	4.04	3.30	1.9	10.15	-3.7	5.6	5.6	20.4
AUGUST, 1858. 1	17.11	17.20	0.0	22.15	-2.2	2.2	4.50	3.45	1.6	10.45	-3.9	5.5	5.5	21.4
2	18.03	18.15	0.4	23.15	-1.3	1.7	5.33	4.40	1.4	11.45	-3.6	5.0	5.0	22.4 ☾
3	18.00	19.40	1.4	25.30	-0.4	1.8	6.32	5.10	1.4	12.30	-3.4	4.8	4.8	23.4
4	20.02	21.45	1.6	26.20	-0.5	2.1	7.32	5.55	1.4	13.45	-2.2	4.6	4.8	24.4
5	21.09	22.50	1.6	27.40	-0.7	2.3	8.35	7.40	1.2	15.00	-3.5	4.7	5.1	25.4
6	22.15	23.35	2.1	29.20	-1.5	3.6	9.42	9.00	1.4	15.30	-4.5	5.9	6.6	26.4
7	23.17	24.05	3.3	29.45	-2.3	5.6	10.45	10.25	1.7	17.00	-5.0	6.7	8.3	27.4 P
8							11.45	11.40	2.5	17.45	-4.9	7.4		28.4 ●
9	0.13						12.39							0.1
10	1.06	1.30	3.9	8.00	-3.5	7.4	13.30	14.00	2.3	19.35	3.9	6.2	7.8	1.1
11	1.54	2.10	3.6	8.25	-3.9	7.5	14.17	14.45	1.9	20.35	-3.9	5.8	7.5	2.1
12	2.40	2.45	3.0	8.50	-4.2	7.2	15.02	15.20	1.5	21.15	-3.8	5.3	7.2	3.1
13	3.24	3.30	2.5	9.15	-4.4	6.9	15.47	16.10	1.0	22.15	-3.5	4.5	6.9	4.1
14	4.09	4.25	2.1	10.40	-4.4	6.5	16.32	16.40	0.7	22.25	-3.3	4.0	6.5	5.1
15	4.54	5.00	1.4	11.10	-4.7	6.1	17.18	17.55	0.0	23.10	-2.7	2.7	6.1	6.1
16	5.42	5.15	0.6	11.35	-5.0	6.1	18.07	18.40	-0.6	23.35	-2.2	1.6	5.6	7.1 ☽
17	6.31	5.30	-0.2	12.45	-4.7	4.5	18.57	20.05	-0.6	24.20	-1.7	1.1	4.5	8.1
18	7.21	6.30	-0.7	14.10	-4.2	3.5	19.47	21.45	-0.6	28.15	-1.6	1.0	3.6	9.1
19	8.14	7.20	-1.2	15.00	-4.3	3.1	20.40	23.45	-0.2	28.50	-1.7	1.5	4.1	10.1 A
20	9.05	8.40	-1.0	16.10	-4.4	3.4	21.30							11.1
21	9.54						22.18							12.1
22	10.43						22.56							13.1
23	11.28						23.50							14.1
24	12.12	Instrument in disorder.						Instrument in disorder.						15.1 ○
25	12.55						0.33							16.1
26	13.38						1.17							17.1
27	14.22						2.01							18.1
28	15.10	14.35	2.1	20.30	-2.8	4.9	2.46	2.20	3.2	8.15	-2.8	6.0	6.0	19.1
29	16.00	16.10	1.5	21.30	-2.1	3.6	3.36	3.05	2.6	9.20	-3.9	6.5	6.5	20.1
30	16.55	17.20	0.9	23.05	-1.4	2.3	4.23	3.55	1.6	10.35	-4.3	5.9	5.9	21.1
31	17.54	19.05	0.3	24.05	-1.1	1.4	5.25	4.40	1.1	11.20	-4.0	5.1	5.1	22.1 ☾

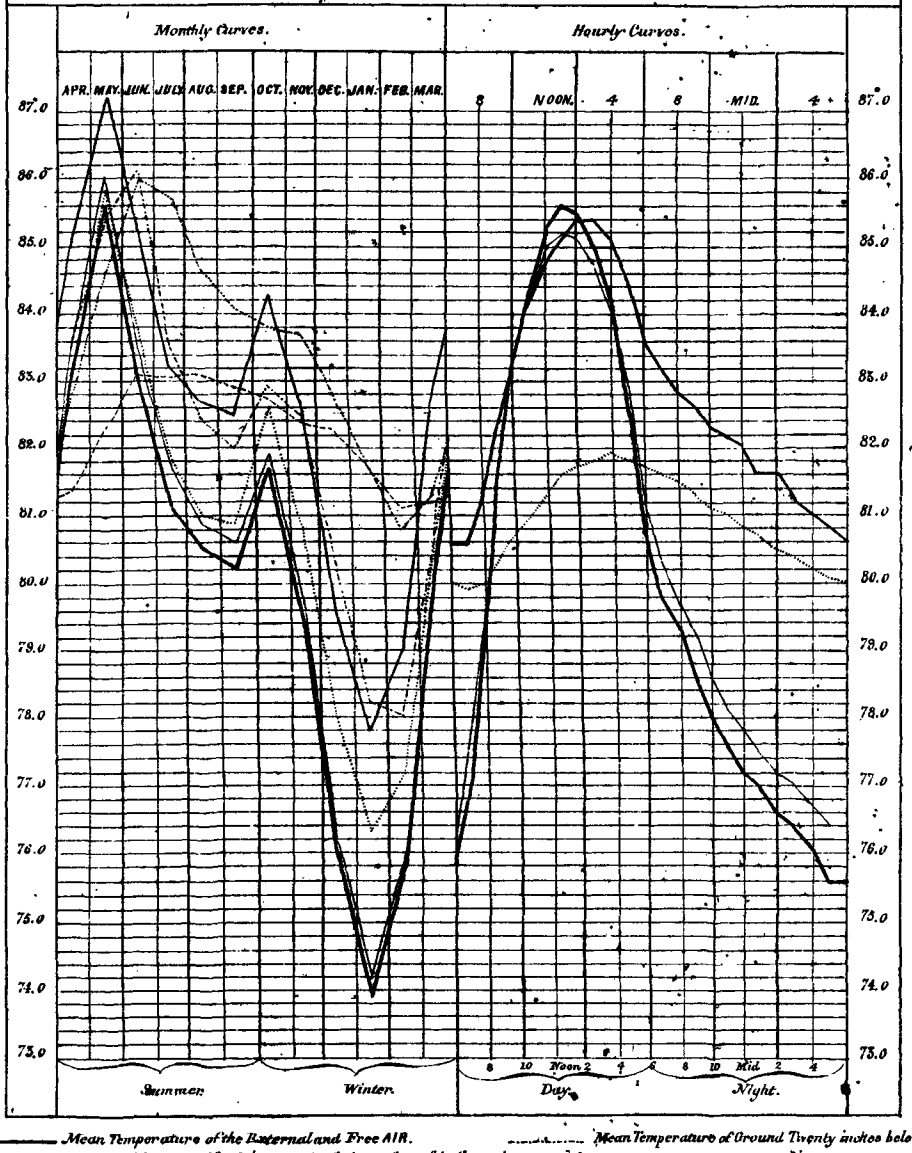
MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
SEPTEMBER, 1858. 1	18.57	21.00	0·4	26.00	−1.1	1.5	6.26			12.00	−3.9		4.3	23.1
2	20.01	22.40	0.4	27.15	−1.5	1.9	7.28	6.35	0.0	14.35	−4.3	4.3	4.7	24.1
3	21.02	23.15	1.0	28.15	−2.2	3.2	8.31	8.15	0.3	15.30	−4.4	4.7	5.4	25.1 P
4	22.00	23.23	1.6	29.15	−2.9	4.5	9.31	9.55	0.7	16.30	−4.7	5.4	6.3	26.1
5	22.54						10.26	10.50	1.4	17.25	−4.9	6.3	6.3	27.1
6	23.44	0.15	2.2	5.45	−3.3	5.5	11.19	12.00	1.8	17.50	−4.5	6.3	6.7	28.1
7		0.50	2.4	6.10	−3.6	6.0	12.07	12.50	2·0	18.30	−4.1	6.1	6.5	29.1 ●
8	0.30	1.35	2.2	6.50	−3.8	6.0	12.52	13.35	2.1	19.15	−3.9	6.0	5.1	0.7
9	1.15	2.10	1.6	7.25	−4.1	5.7	13.38	14.05	1.8	19.55	−3.6	5.4	5.9	1.7
10	2.01	2.45	1.1	8.20	−4.0	5.1	14.24	14.40	1.4				5.4	2.7
11	2.46						15.10							3.7
12	3.33						15.58							4.7
13	4.23						16.49							5.7
14	5.13						17.39							6.7 ☽
15	6.06						18.31							7.7 A
16	6.57	Instrument out of order					19.22	Instrument out of order,						8.7
17	7.47						20.11							9.7
18	8.36						20.59							10.7
19	9.22						21.44							11.7
20	10.07						22.28							12.7
21	10.50						23.12							13.7
22	11.34	12.30	2.1	17.55	−2.9	5.0	23.57	0.00	2.7	6.20	−2.9	5.6	5.6	14.7 ○
23	12.18	13.00	2.8	18.35	−2.3	5.1		0.40	2.9	6.35	−3.3	5.2	6.2	15.7
24	13.05	13.45	3.0	19.30	−2.0	5.0	0.42	1.00	3.2	7.10	−3.6	6.8	6.8	16.7
25	13.55	14.35	2.9	20.05	−1.6	4.5	1.31	1.35	3.2	7.35	−3.9	7.1	7.1	17.7
26	14.60	15.20	2.8	20.45	−1.4	4.2	2.23	1.55	3.0	8.15	−4.2	7.2	7.2	18.7
27	15.48	16.10	2.3	21.35	−1.3	3.6	3.20	2.30	2.3	8.55	−4.2	6.5	6.5	19.7
28	16.51	17.10	1.2	22.45	−1.2	2.4	4.20	3.00	1.7	9.50	−4.2	5.9	5.9	20.7
29	17.54	18.40	0.7	23.45	−1.2	1.9	5.22	4.05	0.9	10.45	−3.9	4.8	4.8	21.7 ☾ P
30	18.55	20.05	0.6	25.00	−1.5	2.1	6.24	5.10	0.1	12.25	−3.7	3.8	4.3	22.7
OCTOBER, 1858. 1	19.53						7.24							23.7
2	20.46						8.19							24.7
3	21.36						9.11							25.7
4	22.22						9.59							26.7
5	23.07						10.45							27.7
6	23.52						11.29							28.7 ●
7		0.15	2.6	6·15	−3.8	6.4	12.15	12.35	2·7	18.15	−2.5	5.2	6.5	0.2
8	0.37	0.30	2.5	6.40	−3·8	6.3	13·01	13.10	2.7	19.15	−2.3	5.0	6.5	1.2
9	1.25						13.50							2.2
10	2.14						14.40							3.2
11	3.05						15.31							4.2
12	3.55						16.21							5.2
13	4·48	3.45	0.1	9·45	−3.8	3.9	17.31	17.25	0.1	22.25	−1.0	1.1	3.9	6.2 A
14	5.38	5.00	−0·4	10.50	−3.3	2.9	18.03	18.25	0.1	24·40	−1.4	1·5	3.4	7.2 ☽
15	6.27	7.10	−0·9	12.05	−3.1	2.2	18.51	20.15	0.3	25·25	−1.5	1.8	3.4	8.2
16	7.14	9.20	−0·5	13 10	−2.7	2.2	19.37	20.45	0.5	27.15	−1.9	2.4	3.2	9.2
17	7.59	10.20	0.2	14·40	−2.9	3.1	20.22	21.40	0.7	28.15	−2.6	3.3	3·6	10.2
18	8.42	10·45	0·6	15·25	−2·9	3·5	21.03	22·45	1·1	28.40	−3.4	4·5	4·5	11.2
19	9.26	11·10	1·0	15 55	−2·9	3·9	21.48	23·30	1·5	29,00	−4.0	5·5	5·5	12.2
20	10.10						22.32							13.2
21	10.56						23.20							14.2
22	11.47	13·40	2·8	19·20	−2·0	4·8							4.8	15.2 ○
23	12.41	14·10	3·0	20·05	−2·2	5·2	0.13	0·15	1·8	6.30	−4.9	6·7	7·9	16.2
24	13.39	14·40	2·8	20·25	−2·3	5·1	1.09	1·30	1·8	7·00	−5.2	7·0	8·0	17.2
25	14.42	15·15	2·3	21·10	−2·3	4·6	2.11	1·45	1·6	7.30	−5.3	6·9	7·6	18.2 P
26	15.46	16·10	1·6	21·50	−2·1	3·7	3.14	2·05	1·2	8.10	−5.4	6·6	7·0	19.2
27	16.50	17·15	0·7	22·40	−2·4	3·1	4.18	3·10	0·6	8·45	−5·1	5·7	5·8	20.2
28	17.49	18·30	0·4	23·45	−2·3	2·7	5.19	4·10	−0·3	9·40	−5·1	4·8	5·5	21.2
29	18.43	19·15	0·4	26·10	−2·9	3·3	6.16	5·20	−0·8	10.20	−4·5	3·7	4·9	22.2 ☾
30	19.33	20·05	0·5	26·50	−3·3	3·8	7.08	7·20	−1·0	12·30	−4.3	3·3	4·8	23.2
31	20.19	20.50	0.6	27·50	−3·9	4·5	7.55	9·05	−0·4	13·40	−3·8	3·4	4·5	24.2

MEAN SOLAR TIME AND HEIGHT OF HIGH AND LOW WATER, *corresponding with the ☽'s Upper and Lower Transit.*

DATE.	☽'s Upper Transit.						☽'s Lower Transit.						Greatest Daily Range of Tide in Feet.	Moon's Age.
	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.	Time of ☽'s Transit.	High Water.		Low Water.		Range of Tide.		
		Time.	Height in Feet.	Time.	Height in Feet.			Time.	Height in Feet.	Time.	Height in Feet.			
	H. M.	H. M.		H. M.			H. M.	H. M.		H. M.				D.
NOVEMBER, 1858. 1	21.04	21.40	0.6	28.50	+4.2	4.8	8.41	10.15	0.2	15.00	−3.4	3.6	4.8	25.2
2	21.48	22.15	0.8	29.30	−4.5	5.3	9.26	11.20	0.8	16.05	−3.3	4.1	5.3	26.2
3	22.31	23.00	1.0	29.45	−4.7	5.7	10.10	12.35	1.7	16.30	−2.7	4.4	6.4	27.2
4	23.18	23.35	1.3	29.55	−5.3	6.6	10.54	13.05	2.0	18.00	−2.7	4.7	7.3	28.2
5		—	—	—	—		11.42	13.35	2.4	19.10	−2.4	4.8		29.2 ●
6	0.06	—	—	—	—		12.31	—	—	—	—			0.6
7	0.55						13.21	—	—	—	—			1.6
8	1.47	1.01	1.8	7.31	−3.8	5.6	14.13	15.16	2.4	20.52	−1.0	3.4	6.2	2.6
9	2.40	1.57	1.4	8.07	−3.5	4.9	15.05	15.52	2.0	21.33	−0.9	2.9	5.5	3.6
10	3.31	2.43	1.0	9.14	−3.3	4.3	15.56	16.18	1.6	22.09	−0.9	2.5	4.9	4.6 ☌
11	4.21	3.14	0.5	9.45	−2.7	3.2	16.44	17.09	1.3	23.20	−0.8	2.1	4.0	5.6
12	5.07	3.50	0.0	10.36	−2.5	2.5	17.30	17.51	1.0	24.11	−1.1	2.1	3.5	6.6
13	5.52	5.41	−0.6	11.42	−2.4	1.8	18.14	18.52	1.1	25.32	−1.6	2.7	3.5	7.6 ☾
14	6.35	6.42	−0.8	12.49	−2.4	1.6	18.56	19.53	1.1	26.53	−2.1	3.2	3.5	8.6
15	7.17	8.43	−0.3	14.10	−2.0	1.7	19.39	20.29	1.2	27.24	−2.6	3.8	3.8	9.6
16	8.00	9.39	0.7	15.17	−1.8	2.5	20.23	21.25	1.4	28.00	−3.3	4.7	4.7	10.6
17	8.44	10.40	1.2	16.18	−1.7	2.9	21.08	21.46	1.8	28.47	−3.8	5.4	5.4	11.6
18	9.31	11.36	1.7	16.59	−1.4	3.1	21.57	22.17	1.8	29.13	−4.3	6.1	6.1	12.6
19	10.23	12.12	2.6	17.51	−1.1		22.52	23.03	2.2					13.6
20	11.21						23.53							14.6 ○
21	12.24													15.6
22	13.30						0.57							16.6 ☽
23	14.37						2.03							17.6
24	15.41						3.08							18.6
25	16.37	Instrument out of order.					4.09	Instrument out of order.						19.6
26	17.30						5.03							20.6
27	18.18						5.54							21.6 ☽
28	19.03						6.41							22.6
29	19.46						7.24							23.6
30	20.30						8.08							24.6
DECEMBER, 1858. 1	21.14						8.53							25.6
2	22.01						9.38							26.6
3	22.49						10.26							27.6
4	23.42						11.15							28.6
5							12.08							29.6 ●
6	0.32						12.58							0.9
7	1.25						13.50							1.9
8	2.14						14.38							2.9 ☌
9	3.03						15.25							3.9
10	3.47						16.09							4.9
11	4.30	Instrument out of order.					16.51	Instrument out of order.						5.9
12	5.13						17.53							6.9
13	5.53						18.14							7.9 ☽
14	6.36						18.58							8.9
15	7.20						19.45							9.9
16	8.08						20.35							10.9
17	9.02						21.32							11.9
18	10.00						22.33							12.9
19	11.06						23.40							13.9
20	12.14													14.9 ○
21	13.23						0.47							15.9 ☽
22	14.25						1.53							16.9
23	15.21						2.53							17.9
24	16.12	15.05	3.7	20.25	−2.0	5.7	3.46	1.35	2.7	8.00	−4.3	7.0	8.0	18.9
25	17.00	15.30	4.2	21.15	−2.0	6.2	4.36	2.40	2.3	8.40	−3.8	6.1	8.0	19.9
26	17.44	16.20	3.7	22.10	−2.4	6.1	5.22	3.40	1.7	9.50	−3.3	5.0	7.0	20.9 ☾
27	18.29	16.50	3.1	23.30	−2.6	5.7	6.06	4.50	1.3	10.45	−2.3	3.6	5.7	21.9
28	19.12	17.30	2.5	24.25	−2.6	5.1	6.51	6.10	0.7	11.15	−1.6	2.3	5.1	22.9
29	19.59	18.05	1.8	25.45	−3.0	4.8	7.35	8.30	0.1	12.30	−1.4	1.5	4.8	23.9
30	20.47	18.35	1.9	26.15	−3.6	4.6	8.23	11.20	−0.8	14.25	−1.4	0.6	4.6	24.9
31	21.36	20.20	0.1	—	—	—	9.12	—	—	—	—	—	—	25.9

MONTHLY AND DIURNAL VARIATION OF TEMPERATURE UNDER DIFFERENT SITUATIONS.

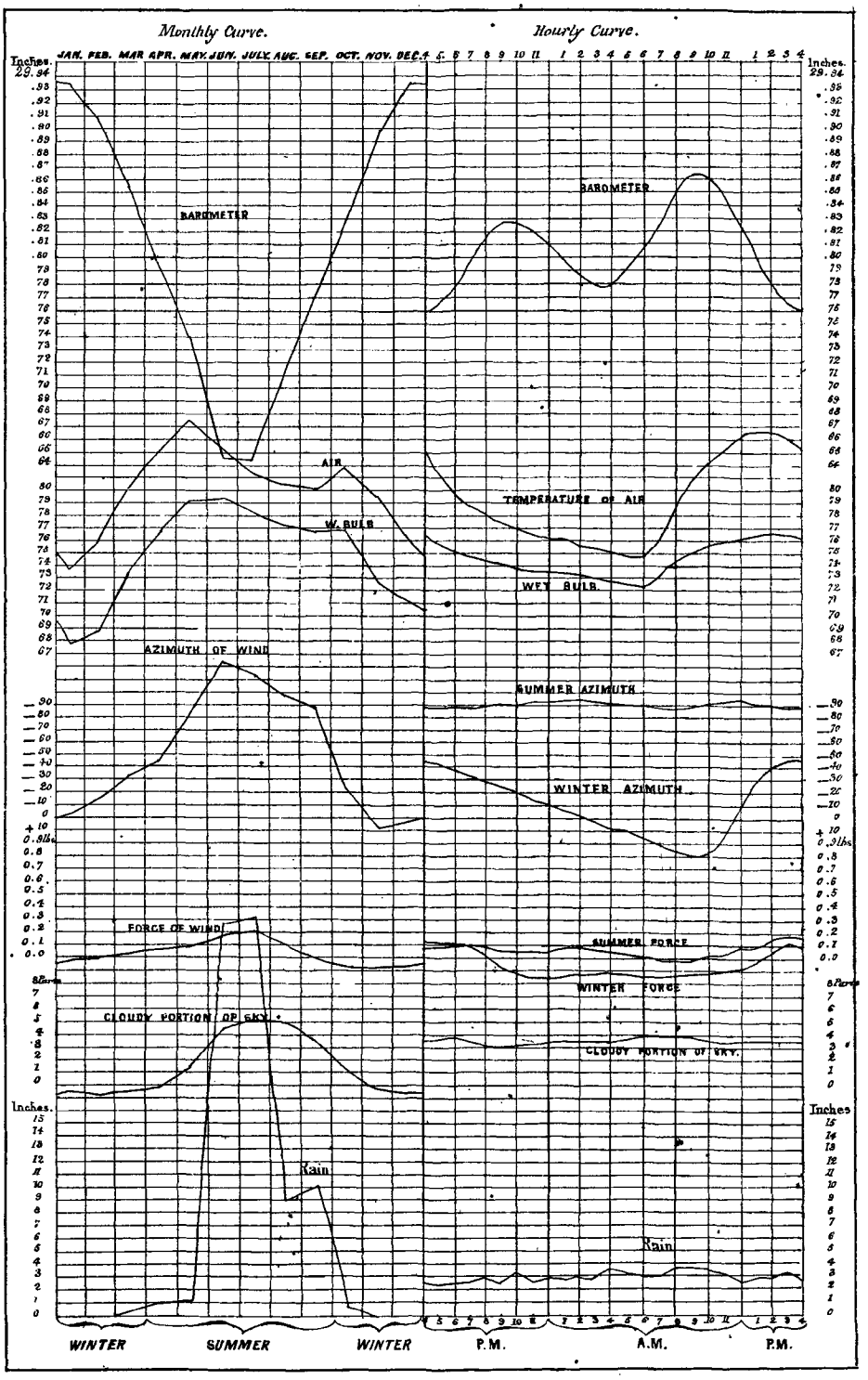


Mean Temperature of the External and Free AIR.
Do Do Do AIR in contact with the surface of the Ground.
Do Do Do confined within the Observatory.
Do Do Do Ground Six inches below the surface.
Mean Temperature of Ground Twenty inches below the surface.
Do Do Sixty Do Do
Do Do 144 Do Do

Drawn by S. C.

Curved by Goverdhan Luxmun, 1st Assist. M.D.

MONTHLY AND DIURNAL CHANGES OF METEOROLOGICAL ELEMENTS.

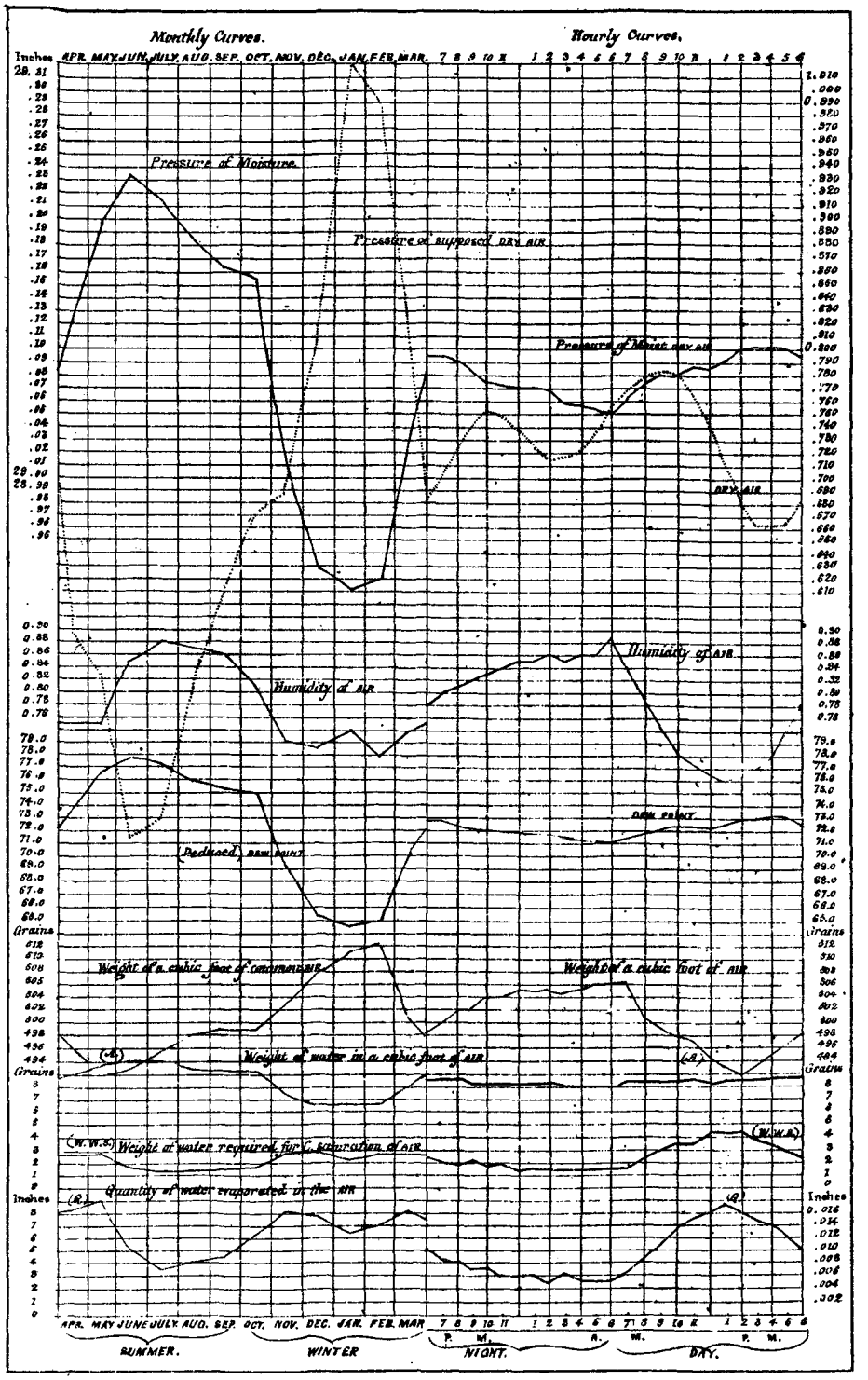


These Curves are deduced from the Observations of the last twelve years.

Drawn by S.C.

Curved by Government Lithographic Assist. M.D.

HOURLY AND MONTHLY CHANGES OF THE HYGROMETRIC ELEMENTS.

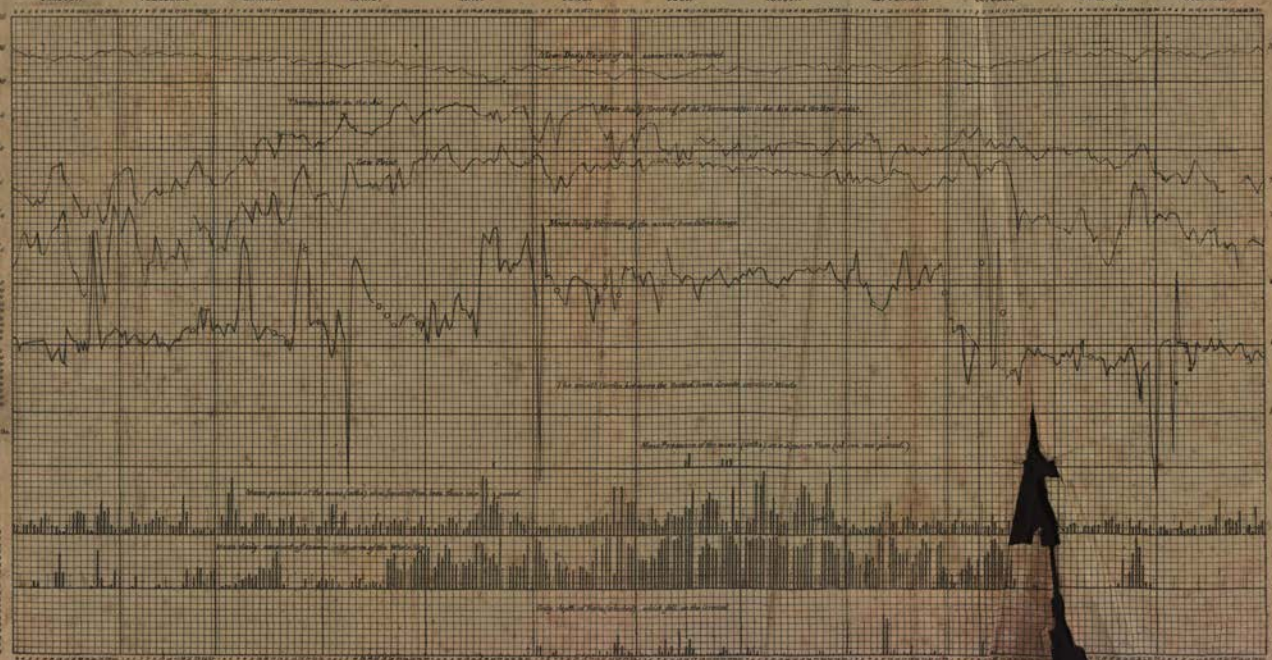


These Curves are deduced from the Observations of the last twelve years 1847 - 58. (inclusive)

Drawn by S. C.

Curved by Goverdhun Luxman 1st Assist. M.D.

CURVES exhibiting the principal Meteorological Phenomena in the Year 1868 as observed at the Observatory Bombay. (A dotted line denotes that no Observations were made where it occurs)



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